Seasonal Salinity, Temperature and Density Data for the Canadian Beaufort Sea Shelf, 1984-1985

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This is the 84th Data Report
from the Western Region, Winnipeg

PREFACE

This study was funded by the Northern Oil and Gas Action Program (NOGAP), through the Department of Fisheries and Oceans, Western Region. It is one of a series of projects being executed under NOGAP B.2, to provide background data for assessing the implications of hydrocarbon development and production on critical estuarine and marine habitats of the Canadian Arctic Coastal Shelf. This document constitutes NOGAP Report B2.8.

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ABSTRACT

Hopky, G.E., D.B. Chiperzak, and M.J. Lawrence. 1986. Seasonal salinity, temperature and density data for the Canadian Beaufort Sea Shelf, 1984-1985. Can. Data Rep. Fish. Aquat. Sci. 593: iv + 249 p.

This report contains salinity, temperature and density data collected by the Department of Fisheries and Oceans, Western Region in the nearshore waters of the Canadian Beaufort Sea Shelf during 1984 and 1985. Salinity and temperature profile data were measured using a Guildline Model 8870 probe deployed from the M.V. Sequel during July and September, 1984, and July to September, 1985, and from the ice surface in March and May, 1985. Salinity and temperature values for samples collected from occasional bottle casts were measured with an Autosal Model 8400 salinometer and mercury thermometer, respectively. Density was calculated using salinity and temperature values. When appropriate, ice thickness or secchi depth was measured.

Profiles were measured at 16 stations in 1984. During the ice cover periods of March and May, 1985, a total of 30 station profiles were measured. For the open water, July to September, 1985, period 47 station profiles were measured with an additional eight stations sampled using bottle casts. Annual and seasonal differences were evaluated at a number of stations.

The depth range of profiles measured during the open water periods was from 1.3 to 123.3 dbar. During the same periods profile measurements of salinity and temperature ranged from 0.03 to 33.10 and -1.71 to 9.32°C, respectively. Depths of profiles measured from the ice surface ranged from 3.7 to 35.3 dbar. Salinity and temperature measurements ranged from 0.04 to 32.53 and -1.73 to 0.20°C, respectively. Ranges for data from bottle cast samples were similar.

Key words: Arctic; coastal waters; salt-wedge estuaries; freshwater; salt water; thermocline; halocline; pycnocline; oceanographic data; secchi discs.

RÉSUMÉ

Hopky, G.E., D.B. Chiperzak, and M.J. Lawrence. 1986. Seasonal salinity, temperature and density data for the Canadian Beaufort Sea Shelf, 1984-1985. Can. Data Rep. Fish. Aquat. Sci. 593: iv + 249 p.

Ce rapport renferme des données sur la salinité, la température et la densité qui ont été recueillies par le ministère des Pêches et des Océans, région de l'Ouest, dans les eaux côtières du secteur canadien du plateau de la mer de Beaufort au cours de 1984 et 1985. Les données du profil de salinité et de température ont été obtenues à l'aide d'une sonde Guildline, modèle 8870, utilisée à partir du SEQUEL au cours de juillet et de septembre 1984 et de juillet à septembre 1985, et à partir de la couche de glace en mars et en mai 1985. Les valeurs de la salinité et de la température pour les échantillons recueillis à l'occasion au moyen d'échantillonneurs ont été mesurées au moyen d'un salinomètre Autosal, modèle 8400, et d'un thermomètre à mercure respectivement. La densité a été obtenue par calcul au moyen des valeurs de la salinité et de la température. On a mesuré l'épaisseur de la glace et la transparence de la mer au moyen de disques de Secchi lorsqu'il avait lieu de le faire.

Les profils ont été mesurés à 16 stations en 1984; au cours des périodes de mars et de mai 1985, alors qu'il y avait une couche de glace, 30 profils de station au total ont été mesurés. Pendant la période où l'eau était libre, de juillet à septembre 1985, 47 profils de station ont été mesurés et des échantillons ont été prélevées au moyen d'échantillonneurs pour établir le profil de huit autres stations. Les différences annuelles et saisonnières ont été évaluées à un certain nombre de stations.

Les profils mesurés au cours des périodes où l'eau était libre l'ont été à des profondeurs variant de 1,3 à 123,3 m. Au cours de ces périodes, les mesures de profil de salinité et de température variaient entre 0,03 et 33,10 et -1,71 et 9,32°C respectivement. Les profils mesurés à partir de la couche de glace l'ont été à des profondeurs variant de 3,7 à 35,3 m. Les mesures de la salinité et de la température variaient entre 0,04 et 32,53 et -1,73 à 0,20°C respectivement. L'écart applicable aux données tirées des échantillons recueillis au moyen d'échantillonneurs était similaire.

Mots-clés: Arctique; eau douce; eau salée; eaux côtières; halocline; lame d'eau salée dans l'estraire; pycnocline; thermocline; données océanographiques; disques de Secchi.

INTRODUCTION

The salinity, temperature and density data presented in this report were collected as part of the Critical Arctic Estuarine and Marine Habitat Project (B.2) of the Northern Oil and Gas Program (NOGAP). The data represent one component of the oceanographic measurements made by the staff of the Department of Fisheries and Oceans, Western Region on the Canadian Beaufort Sea Shelf (Fig. 1) during 1984 and 1985. Similar measurements will be made during 1986 and 1987 and subsequently published. In addition, light attenuation (PAR - Photosynthetically Active Radiation) and chlorophyll a data are being collected and will be published separately.

A major objective of this NOGAP project is to identify ecologically important marine and estuarine habitats on the Beaufort Sea Shelf (<200 m). This region is believed to be a major breeding and feeding area for bowhead whales, Balaena mysticetus (Fraker and Bockstoce 1980; Würsig et al. 1985) and white whales, Delphinapterus leucas (Norton Fraker 1983; Norton and Harwood 1985). Similarly, this region is also important to marine and anadromous fishes (Craig 1984; Lawrence et al. 1984). However, there is very little information about the underlying biological (e.g. food resources) and physical factors that determine the life history characteristics of these populations (Borstad 1985).

The salinity, temperature and density data presented here are physical factors critical to identifying and delineating the amount and extent of different water masses. This information is being collected in conjunction with biological sampling: primary productivity, zooplankton, and larval and adult fish life history studies. Both of these objectives - defining the amount and extent of potential habitat types, and describing the biotic groups that are found there - are necessary to the overall objective of assessing the importance of different habitats to aquatic productivity and to their potential vulnerability to perturbation.

The M.V. Sequel, a wooden hulled 12 m vessel, was chartered to conduct sampling during the open water periods of July and September, 1984, and again during July, August and September, 1985. A DH6 (Twin Otter) aircraft equipped with wheel skis was used during March and May, 1985, to conduct sampling from the ice surface. The data reported here are from an area that extends from Herschel Island on the west to McKinley Bay on the east, out to the 150 m isobath from shore (Fig. 2).

METHODS

DATA COLLECTION

Positioning

In 1984 station locations were obtained using a combination of radar (Furuno Model CR240) fixes to shore, bathymetric charts and a Magnavox Model MX4102 satellite navigator with a nominal accuracy of ±0.1 km.

In March and May, 1985, all stations except two were reached with a DH6 (Twin Otter) on wheel skis equipped with Global Navigation System (GNS) positioning equipment. Stations 85051 and 85052 were reached by truck and located by identification of nearby shore landforms and odometer distance from Tuktoyaktuk.

During July, August and September, 1985, stations were located as in 1984 except that a JRC Model JLE-3850 satellite navigator was employed with a nominal accuracy of ±0.1 km.

CSTD system

Station profiles were taken using a Guildline Model 8870 portable CSTD system consisting of a deck unit, a probe and an Arctic Model winch. The deck unit is powered by 2-12 volt batteries. The unit's microprocessor computes salinities using the UNESCO practical salinity scale 1978 (UNESCO 1981). The deck unit is equipped with an IEEE board as well as a digital display. Output was recorded on magnetic tape using a portable audio cassette recorder. The winch was fitted with a single conductor oceanographic cable.

An Arctic Model probe was used throughout 1984 and for all of 1985 except during September when the Open Ocean Model probe was used. Probes were calibrated biannually and fell within accepted accuracy ranges. Accuracy ranges for the sensors on both probes are: temperature ±0.01°C, salinity ±0.02% and pressure (dbar) ±1%. A spare deck unit was used for part of August, 1985 until a malfunction in the main unit was repaired.

Bottle casts

Bottle casts were made using a 5 litre Van Dorn sampler. Conductivity ratios were obtained using an Autosal Model 8400 salinometer. Salinity was calculated using the UNESCO practical salinity scale 1978 (UNESCO 1981) on a Zenith 151 microcomputer. Temperature was taken from the water sample immediately after it was on the vessel deck, using a mercury thermometer (±0.5°C).

DATA PROCESSING

CSTD data was edited using a Zenith 151 microcomputer. Means of salinity and temperature were calculated for multiple readings at a single pressure (dbar) point. Density was calculated using the international equation of state of seawater 1980 (UNESCO 1981) on an Amdahl 58-50 computer. For those situations when a probe sensor appeared to have malfunctioned, data for that variable was deleted from the records.

RESULTS

Tables 1 and 2 contain summary descriptions of the stations sampled in 1984 and 1985, respectively. Profiles were measured at 16 stations in 1984. During the ice cover periods of March and May, 1985, a total of 30 station pro-

files were measured. For the open water, July to September, 1985, period 47 station profiles were measured with an additional eight stations sampled using bottle casts. The station locations are mapped for 1984 (Fig. 3), March and May, 1985 (Fig. 4), July, 1985 (Fig. 5), August, 1985 (Fig. 6), and September, 1985 (Fig. 7). Annual and seasonal comparisons were made at a number of stations (Fig. 3-7). These figures also showed that with the exception of the March and May, 1985, periods of ice cover plankton sampling was conducted at virtually all stations.

Stations were generally sampled between 1400 and 0100 hours Greenwich Mean Time (GMT) over total depths ranging from 2 to 150 m (Tables 1 and 2). When appropriate, ice thickness or secchi depth was measured. Equipment malfunction, and heavy seas that prevented stationary mooring, resulted in the taking of either surface or profile bottle casts during the August 3-6, 1985, sampling period (Table 2). Other stations where CSTD profiles are not available were due to equipment malfunction or human error. Data for stations 85200 to 85203 (Table 2) were not recorded on magnetic tape, but manually in the field log.

Note that the maximum profile depths (dbar) measured during the August 9-12, 1985, period are generally greater than the measured total depth (m) (Table 2). However, salinity data values observed at the maximum depth (dbar) of each profile correspond to that recorded in the field log when the probe was nearest to the bottom. This discrepancy may be related to the use of a spare deck unit during this time period.

CSTD data are tabulated by station and date in Appendix A, Tables A1.1-A1.101. Plots of the data are shown on the facing page, with the corresponding station number and sampling date. Density, in $kg \cdot m^{3}$, is plotted as sigma t (density-1000). Depths are expressed in pressure units (dbar) except for the August 3-6, 1985, bottle cast data which are in meters.

The depth range of profiles measured during the open water periods was from 1.3 to 123.3 dbar. During the same periods profile measurements of salinity and temperature ranged from 0.03 to 33.10 and -1.71 to 9.32°C, respectively. Depths of profiles measured from the ice surface ranged from 3.7 to 35.3 dbar. Salinity and temperature measurements ranged from 0.04 to 32.53 and -1.73 to 0.20°C, respectively. Ranges for data from bottle cast samples were similar.

ACKNOWLEDGMENTS

The authors would like to thank G. Lacho and L. de March, DFO Winnipeg, for their assistance in the data collection. The skippers of the M.V. Sequel were L. Pearson (1984) and W. Bellham (1985). Twin Otter pilots were H. Hanlan and D. Bowes. Their considerable skills and dedication are gratefully acknowledged.

We thank the Polar Continental Shelf Project of the Department of Energy, Mines and Resources for logistic support in Tuktoyaktuk. Personnel of the Atmospheric Environment Service in Tuktoyaktuk were very helpful, as were discussions with H. Mellings, DFO Sidney, BC, and R. Hesslein, DFO Winnipeg.

Salinometer readings were made by L. de March. Assistance by DFO support staff, L. Taite, R. Lypka, and C. Catt in Winnipeg is appreciated.

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Table 1. Summary data for stations sampled in the Beaufort Sea during 1984.

Station	Latitude Deg	Latitude Min	Longitude Deg	Longitude Min	Date Sampled	Time GMT*	Total Depth (m)	Ice Depth (m)	Secchi Depth (m)	CSTD** Profile	Profile Depth (Dbar)
84A01	69	49.5	132	37.0	Jul 14	0100	9		1.3	Yes	6.4
84A02	70	2.0	132	20.0	Jul 15	1625	20		3.4	Yes	18.5
84A03	70	12.4	132	21.6	Jul 15	2045	30		19.5	Yes	29.2
84A04	70	17.3	131	53.5	Jul 15	2300	33		N/A	Yes	32.4
84A05	70	6.4	131	0.5	Jul 16	0600	12		N/A	Yes	10.0
84A06	69	34.1	136	22.5	Jul 23	2000	10		5.5	Yes	9.4
84A07	69	33.2	137	0.1	Jul 23	2335	17		6.5	Yes	16.4
84A08	69	33.6	137	6.4	Jul 23	0220	34		7.3	Yes	33.9
84A10	69	36.5	138	49.0	Jul 24	2330	36		5.8	Yes	34.3
84B09	69	31.7	138	44.6	Jul 24	2000	14		5.0	Yes	13.4
84B01	69	51.8	132	54.0	Sep 7	2300	12		N/A	Yes	11.8
84B02	70	4.0	132	26.0	Sep 7	0335	24		3.8	Yes	21.2
84B03	70	13.0	132	22.0	Sep 8	1900	34		6.5	Yes	30.1
84B04	70	20.0	131	50.0	Sep 8	2325	36		9.3	Yes	31.7
84B05	70	6.0	131	0.0	Sep 9	1640	12		1.9	Yes	11.5
84B11	70	13.0	131	16.0	Sep 9	2100	25		N/A	Yes	21.6

* GMT - Greenwich Mean Time.

** Conductivity, Salinity, Temperature, Density. N/A - Not Available; SUR - Surface; BCP - Bottle Cast Profile.

Table 2. Summary data for stations sampled in the Beaufort Sea during 1985.

Station	Latitude Deg	Latitude Min	Longitude Deg	Longitude Min	Date Sampled	Time GMT*	Total Depth (m)	Ice Depth (m)	Secchi Depth (m)	CSTD** Profile	Profile Depth (Dbar)
85050	69	51.0	132	31.0	Mar 24	2330	10	2.0		Yes	8.8
85051	69	30.0	133	6.0	Mar 25	1820	4	2.0		Yes	3.7
85052	69	40.0	132	44.0	Mar 25	2050	4	2.0		Yes	3.7
85053	69	56.5	132	36.5	Mar 26	2400	15	2.0		Yes	13.9
85054	69	47.5	132	30.4	Mar 27	1830	8	2.0		Yes	6.9
85055	69	54.2	133	30.5	Mar 27	1915	15	2.0		Yes	14.2
85056	69	48.2	133	27.2	Mar 27	2035	9	2.0		Yes	8.5
85057	69	38.2	133	23.5	Mar 27	2130	5	2.0		Yes	4.3
85001	69	46.8	133	57.5	May 17	N/A	5	2.2		Yes	4.7
85002	69	49.8	134	1.2	May 17	N/A	7	2.1		Yes	6.8
85003	69	59.9	134	2.3	May 17	N/A	19	2.0		Yes	17.4
85004	70	0.6	132	31.7	May 17	N/A	18	1.5		Yes	16.4
85005	69	49.3	132	29.3	May 17	N/A	10	2.5		Yes	9.0
85006	69	45.6	132	28.8	May 17	N/A	7	2.5		Yes	6.2
85007	69	29.5	136	46.0	May 18	N/A	11	1.3		Yes	10.2
85008	69	29.8	137	6.0	May 18	N/A	29	0.8		Yes	25.9
85009	69	19.0	137	39.0	May 18	N/A	39	1.1		Yes	35.3
85010	69	12.0	137	49.0	May 18	N/A	28	1.7		Yes	26.4
85011	69	6.7	137	27.9	May 18	N/A	8	2.1		Yes	7.9
85012	69	8.0	137	40.6	May 18	2000	17	2.0		Yes	15.7
85013	69	31.5	136	30.3	May 18	2100	8	2.2		Yes	7.3
85014	69	55.1	134	0.2	May 18	2200	11	2.3		Yes	10.2
85015	70	5.8	131	1.0	May 19	1530	12	2.3		Yes	11.2
85016	70	3.1	131	32.4	May 19	1610	15	2.2		Yes	13.3
85017	70	7.7	131	31.0	May 19	1645	18	2.0		Yes	16.8
85018	69	59.9	131	30.6	May 19	1725	12	2.2		Yes	11.5
85019	70	3.5	132	0.3	May 19	1800	19	1.5		Yes	18.0
85020	69	56.6	132	0.1	May 19	1830	10	2.3		Yes	9.7
85021	69	48.7	131	58.3	May 19	1905	7	2.5		Yes	6.0
85022	69	53.4	132	29.3	May 19	1945	13	2.5		Yes	11.8
85100	69	30.8	133	9.5	Jul 18	1845	4		N/A	Yes	4.1
85102	69	28.1	133	1.2	Jul 18	2300	4		N/A	N/A	
85102	69	28.1	133	2.0	Jul 21	2130	5		0.2	N/A	
85103	69	37.8	133	11.2	Jul 21	1655	6		0.2	Yes	5.1
85104	69	37.1	133	2.3	Jul 22	1740	6		0.3	Yes	5.7
85105	69	36.5	132	59.8	Jul 22	2045	2		0.2	Yes	1.5
85106	69	20.7	138	43.2	Jul 24	1400	4		0.7	Yes	3.9
85107	69	23.6	138	44.5	Jul 24	1710	15		0.3	N/A	
85108	69	25.0	138	47.9	Jul 24	2000	53		0.6	Yes	48.6
85109	69	27.7	138	47.9	Jul 24	2255	69		1.3	Yes	66.5
85110	69	33.2	139	1.5	Jul 25	1600	6		0.6	N/A	

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* GMT - Greenwich Mean Time.

** Conductivity, Salinity, Temperature, Density. N/A - Not Available; SUR - Surface; BCP - Bottle Cast Profile.

Table 2. Summary for 1985 continued.

Station	Latitude Deg	Latitude Min	Longitude Deg	Longitude Min	Date Sampled	Time GMT*	Total Depth (m)	Ice Depth (m)	Secchi Depth (m)	CSTD** Profile	Profile Depth (Dbar)
85111	69	31.6	138	59.8	Jul 25	1845	15		2.3	Yes	13.6
85112	69	31.1	138	55.5	Jul 25	2030	52		0.7	Yes	45.6
85113	69	28.5	138	48.8	Jul 25	2330	64		0.4	Yes	56.5
85114	69	16.9	138	20.2	Jul 26	1605	6		0.2	Yes	5.2
85115	69	16.2	138	16.6	Jul 26	1820	15		0.1	Yes	14.3
85116	69	12.0	137	41.5	Jul 26	2135	29		0.1	Yes	28.3
85117	69	18.2	137	11.9	Jul 26	0050	15		0.1	Yes	13.4
85100	69	30.8	133	9.5	Aug 3	2215	5		0.3	N/A	
85118	69	40.5	132	57.5	Aug 3	1710	6		0.4	Sur	
85119	69	36.5	133	0.0	Aug 3	1914	5		0.4	Sur	
85102	69	28.0	133	2.0	Aug 4	2125	5		0.4	BCP	
85120	69	39.7	138	42.5	Aug 5	1745	100		0.9	BCP	
85121	69	40.5	138	52.5	Aug 5	2150	50		0.9	BCP	
85122	69	38.3	138	54.7	Aug 5	0120	30		1.0	BCP	
85123	69	36.2	138	50.0	Aug 6	1710	15		0.9	Sur	
85124	69	46.5	138	34.8	Aug 6	2000	150		N/A	Sur	
85125	69	39.0	132	54.6	Aug 9	2155	3		0.5	Yes	3.3
85126	69	40.3	132	56.5	Aug 9	2400	6		1.0	Yes	6.4
85127	69	37.3	132	59.9	Aug 9	0205	2		0.6	Yes	3.3
85128	69	37.3	133	2.0	Aug 9	0400	6		0.4	Yes	5.9
85129	69	37.0	133	52.5	Aug 10	1655	3		0.3	Yes	3.8
85130	69	41.9	133	41.0	Aug 10	1925	7		0.7	Yes	7.0
85131	69	46.2	133	32.0	Aug 10	2130	9		0.4	Yes	10.0
85132	69	46.8	134	24.2	Aug 10	0030	4		1.5	Yes	5.1
85133	69	52.6	134	35.6	Aug 11	1630	11		0.9	Yes	10.3
85134	69	58.1	134	36.3	Aug 11	1925	15		1.8	Yes	15.4
85135	69	39.2	135	30.1	Aug 11	0100	5		1.2	Yes	6.3
85136	69	37.0	135	56.4	Aug 12	1720	6		2.0	Yes	7.4
85137	69	39.7	136	37.4	Aug 12	2100	15		2.4	Yes	15.7
85138	69	38.9	137	3.3	Aug 12	2400	30		2.0	Yes	30.5
85102	69	28.1	133	1.2	Sep 2	2150	4		1.0	Yes	3.9
85200	69	33.2	139	1.6	Sep 7	1550	5		0.7	Yes	4.2
85201	69	31.6	138	59.8	Sep 7	1745	14		3.3	Yes	12.7
85202	69	31.0	138	55.5	Sep 7	2045	40		4.0	Yes	39.8
85203	69	29.5	138	49.1	Sep 7	2250	57		3.0	Yes	57.0
85204	69	35.0	138	50.0	Sep 8	1545	6		0.4	Yes	4.6
85205	69	35.5	138	47.4	Sep 8	1930	16		4.0	Yes	15.5
85206	69	37.3	138	44.8	Sep 8	2140	50		3.8	Yes	44.0
85207	69	27.8	138	47.8	Sep 9	1730	65		3.5	Yes	54.1
85208	69	25.2	138	45.8	Sep 9	2130	25		2.5	Yes	22.8
85209	69	22.8	138	43.4	Sep 9	2220	12		2.5	Yes	11.8

CONTINUED NEXT PAGE

* GMT - Greenwich Mean Time.

** Conductivity, Salinity, Temperature, Density. N/A - Not Available; SUR - Surface; BCP - Bottle Cast Profile.

Table 2. Summary for 1985 continued.

Station	Latitude Deg	Latitude Min	Longitude Deg	Longitude Min	Date Sampled	Time GMT*	Total Depth (m)	Ice Depth (m)	Secchi Depth (m)	CSTD** Profile	Profile Depth (Dbar)
85210	69	20.3	138	42.1	Sep 9	0015	5		2.0	Yes	4.7
85211	69	38.1	138	35.0	Sep 10	1500	130		6.3	Yes	123.3
85212	69	59.5	131	10.2	Sep 12	1405	6		1.1	Yes	5.3
85213	70	4.6	131	27.2	Sep 12	1635	15		3.5	Yes	13.8
85214	69	59.2	132	0.9	Sep 12	1945	15		4.0	Yes	14.6
85215	69	47.4	132	1.8	Sep 12	2300	6		1.1	Yes	5.4
85216	69	51.6	132	30.5	Sep 12	0145	11		2.9	Yes	10.3
85217	69	39.2	132	56.2	Sep 12	0530	6		N/A	Yes	5.2

* GMT - Greenwich Mean Time.
** Conductivity, Salinity, Temperature, Density. N/A - Not Available; SUR - Surface; BCP - Bottle Cast Profile.

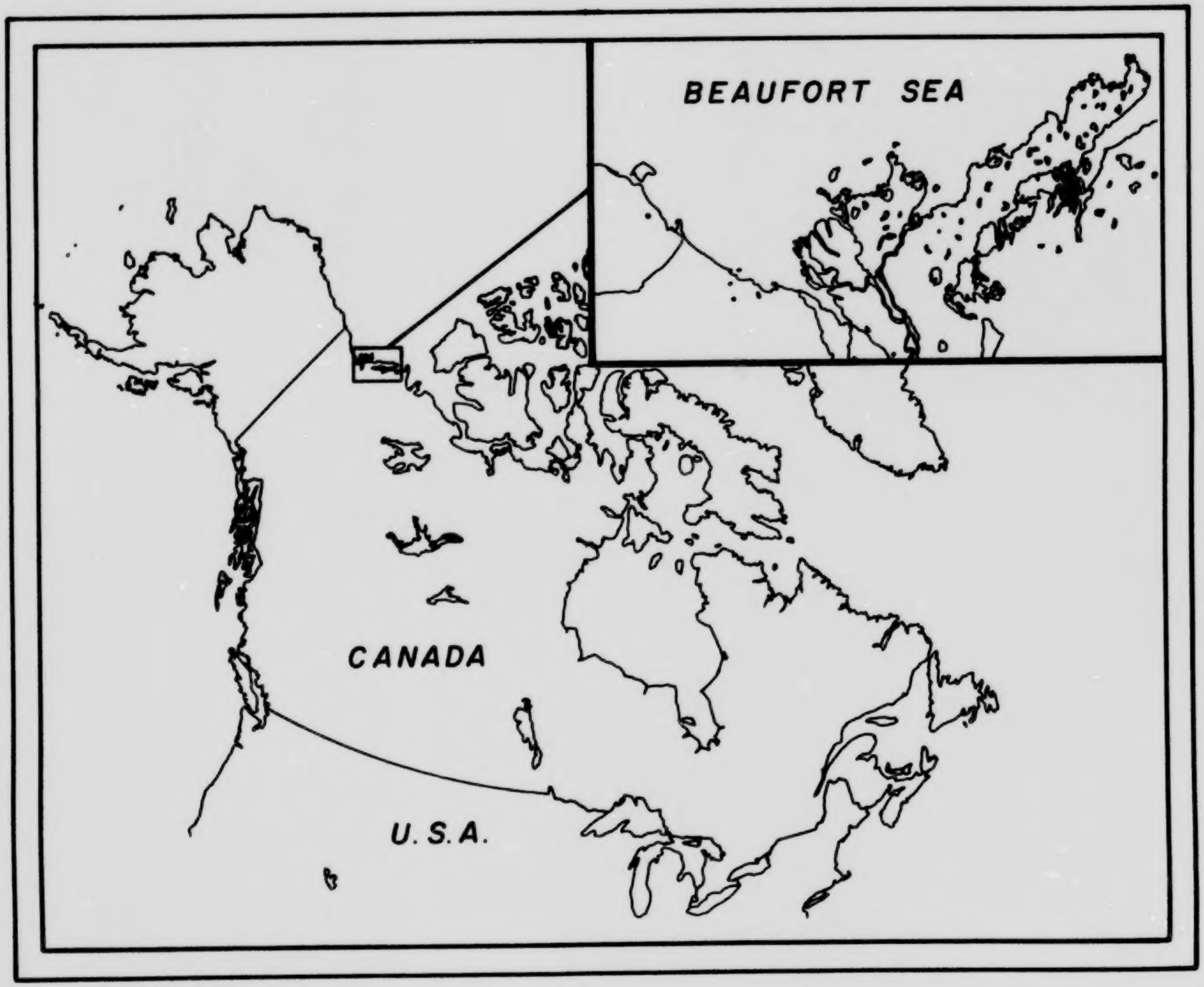

Fig. 1. Location of Beaufort Sea study area.

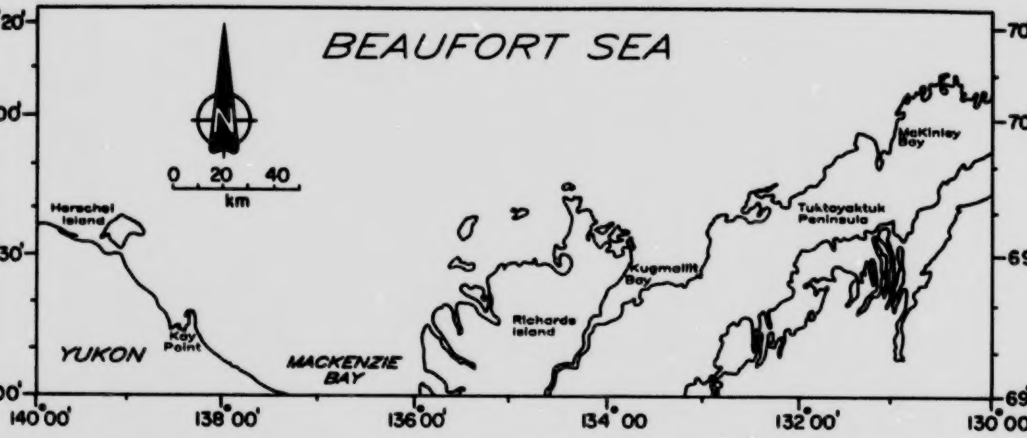

Fig. 2. Detailed map of study area.

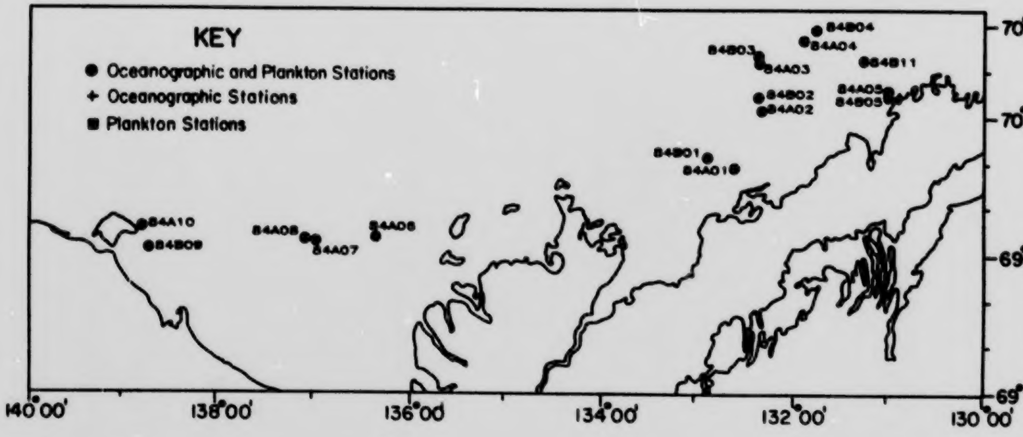

Fig. 3. Stations sampled in July and September, 1984.

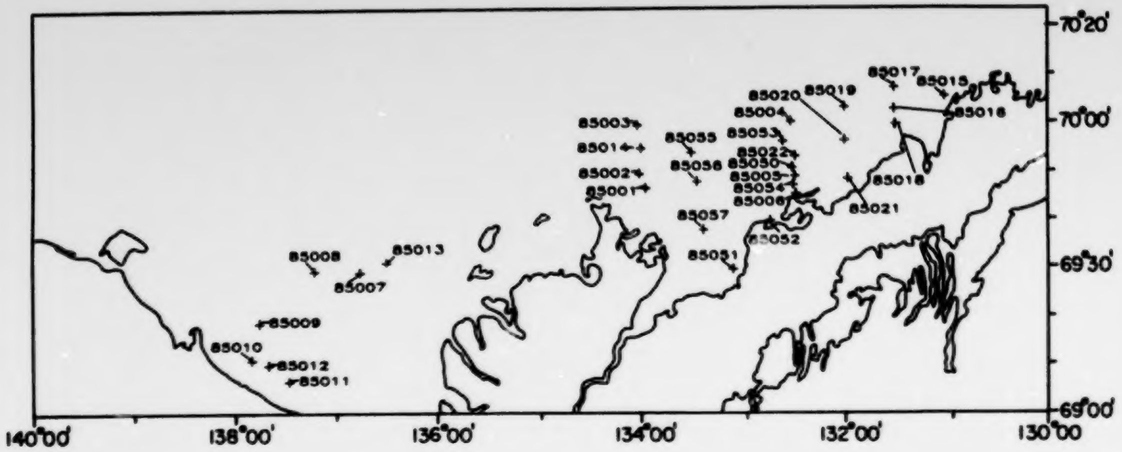

Fig. 4. Stations sampled in March and May, 1985. See Fig. 3 for key to symbols.

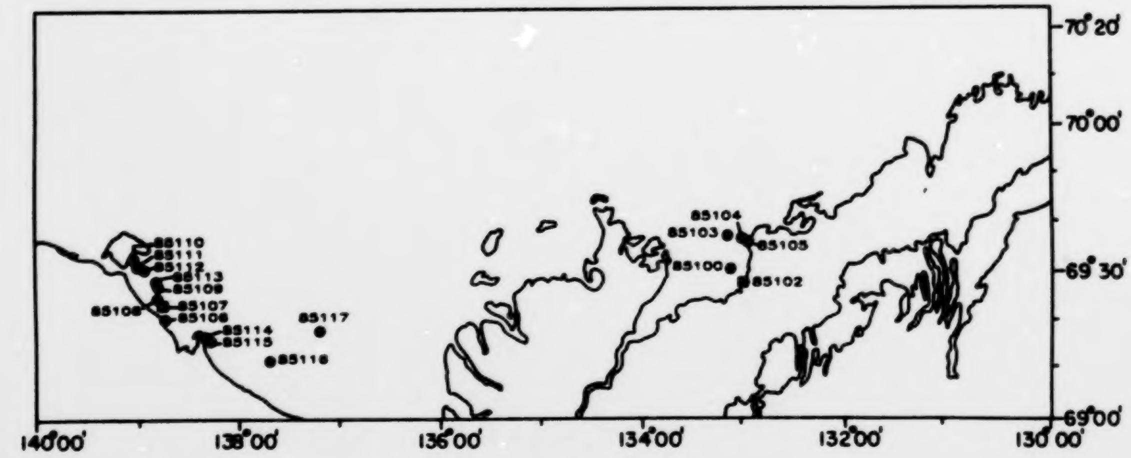

Fig. 5. Stations sampled in July, 1985. See Fig. 3 for key to symbols.

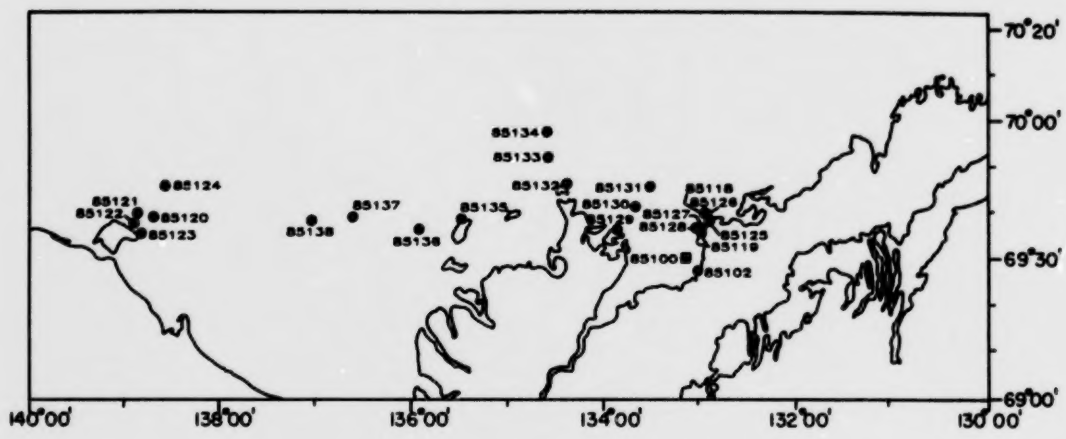

Fig. 6. Stations sampled in August, 1985. See Fig. 3 for key to symbols.

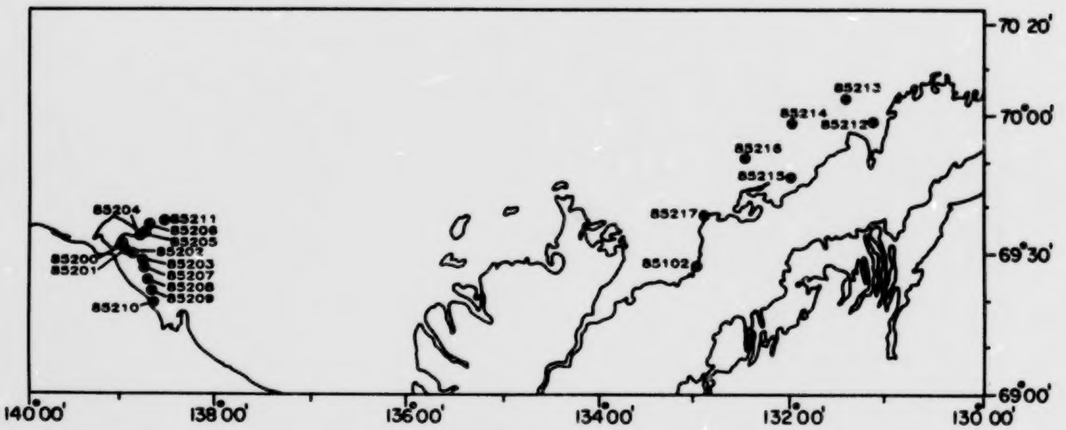

Fig. 7. Stations sampled in September, 1985. See Fig. 3 for key to symbols.

APPENDIX 1

CSTD data tables and plotted profiles.

Note: In Tables A1.1 to A1.101 the notation: kg.m**-3 is interpreted as: $kg.m^{-3}$.

Station: 84A01 Date: JUL 14

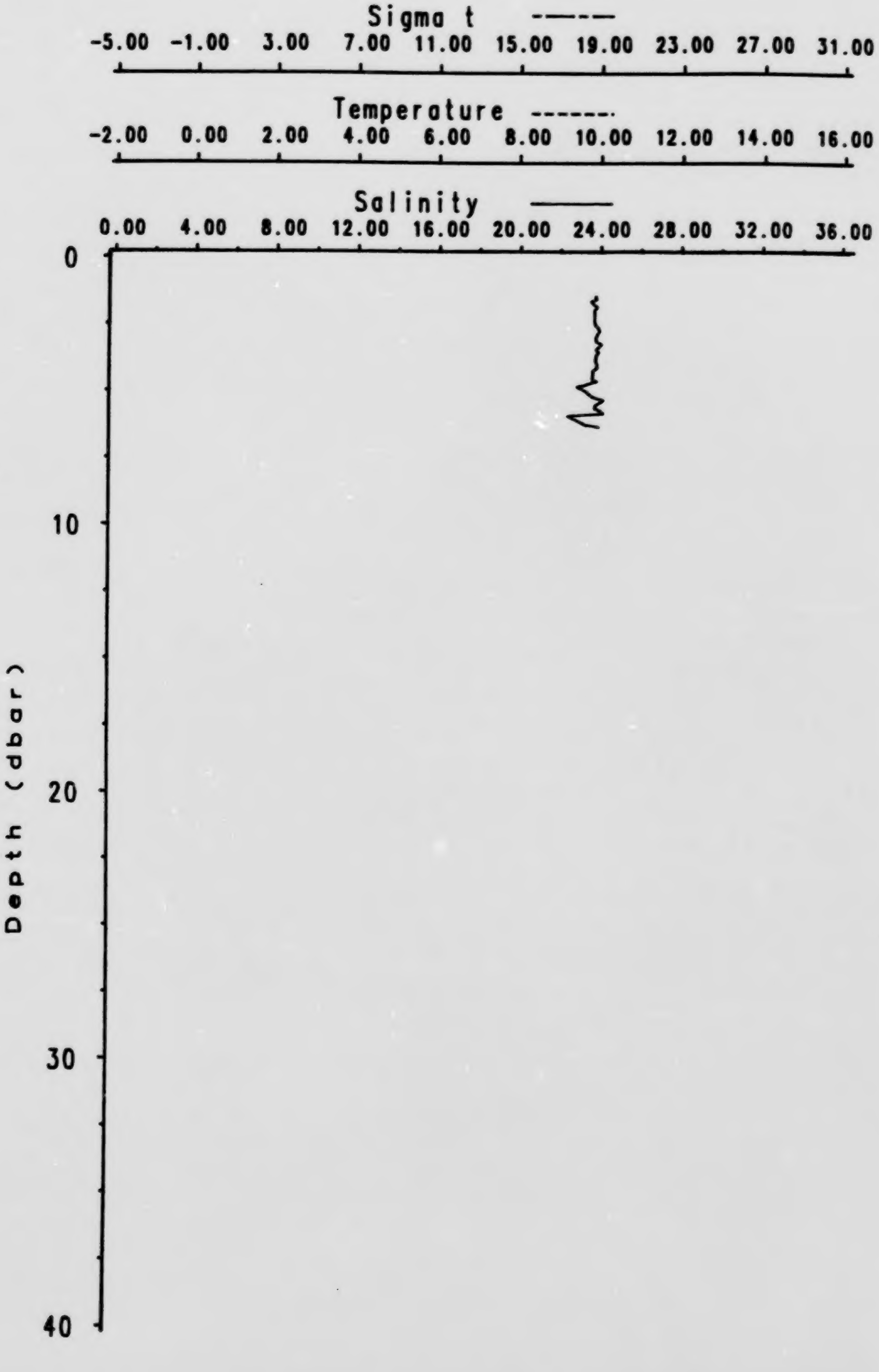

Table A1.1. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A01, July 14, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	23.61			3.2	23.66			4.8	23.25		
1.6	23.66			3.3	23.92			4.9	22.74		
1.7	23.40			3.5	23.68			5.1	23.21		
1.9	23.69			3.6	23.78			5.3	23.52		
2.0	23.58			3.7	23.68			5.4	24.03		
2.1	23.56			3.8	23.65			5.6	23.64		
2.2	23.58			3.9	23.62			5.7	23.59		
2.5	23.60			4.1	23.72			5.8	23.89		
2.6	23.64			4.2	23.71			5.9	24.03		
2.7	23.78			4.3	23.51			6.0	22.29		
2.8	23.82			4.4	23.52			6.3	23.08		
3.0	23.67			4.6	23.46			6.4	23.80		
3.1	23.64			4.7	23.69						

Station: 84A02 Date: JUL 15

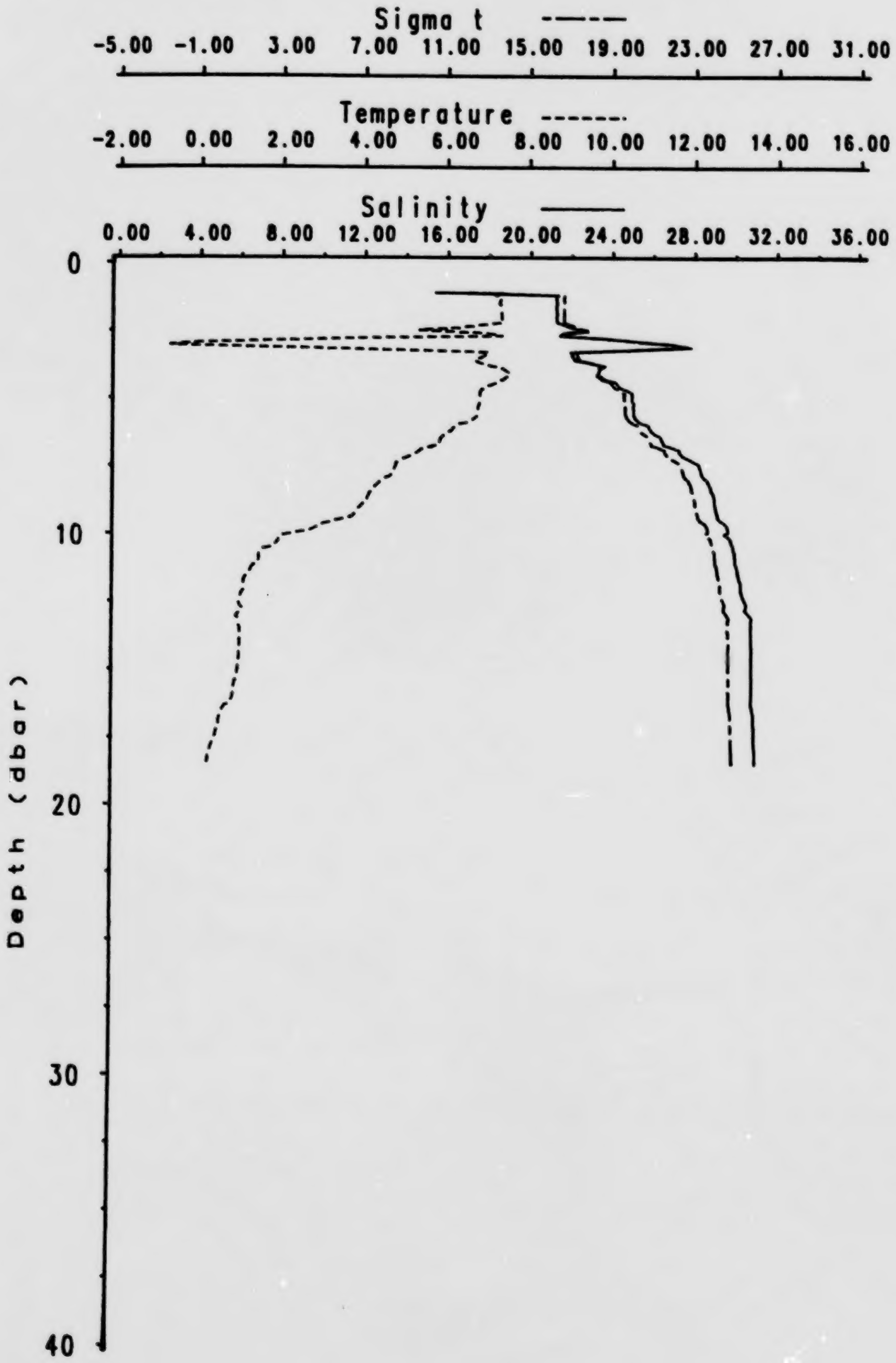

Table A1.2. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A02, July 15, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	15.25	7.21	1011.88	6.9	27.16	5.28	1021.44	12.3	30.29	0.92	1024.26
1.2	21.15	7.08	1016.52	7.0	27.18	5.22	1021.46	12.6	30.48	0.88	1024.42
1.3	21.09	7.22	1016.46	7.1	27.32	5.09	1021.58	12.7	30.45	0.91	1024.39
1.5	21.16	7.16	1016.52	7.3	27.80	4.79	1021.99	12.8	30.41	0.97	1024.36
1.6	21.11	7.23	1016.48	7.4	28.09	4.68	1022.23	13.1	30.74	0.81	1024.63
1.7	21.12	7.22	1016.48	7.5	28.15	4.68	1022.28	13.2	30.70	0.89	1024.59
1.9	21.15	7.23	1016.51	7.7	28.23	4.62	1022.35	13.4	30.70	0.89	1024.59
2.0	21.12	7.23	1016.48	7.8	28.26	4.60	1022.38	13.6	30.69	0.92	1024.59
2.2	21.15	7.24	1016.51	7.9	28.34	4.54	1022.44	13.7	30.72	0.92	1024.61
2.4	21.87	6.21	1017.18	8.0	28.52	4.36	1022.60	13.8	30.73	0.92	1024.62
2.5	22.54	5.21	1017.80	8.1	28.59	4.29	1022.67	13.9	30.73	0.92	1024.62
2.6	21.48	6.87	1016.80	8.3	28.72	4.17	1022.78	14.1	30.74	0.91	1024.63
2.7	21.31	7.24	1016.63	8.4	28.73	4.15	1022.79	14.2	30.74	0.91	1024.63
2.8	23.59	4.14	1018.71	8.5	28.83	4.05	1022.88	14.3	30.72	0.91	1024.61
3.0	26.94	-0.08	1021.61	8.6	28.86	4.03	1022.90	14.4	30.74	0.90	1024.63
3.1	27.71	-0.82	1022.25	8.8	28.91	3.97	1022.95	14.6	30.75	0.89	1024.63
3.3	21.81	6.92	1017.06	8.9	28.91	3.89	1022.95	14.7	30.74	0.89	1024.63
3.5	21.94	6.73	1017.18	9.0	28.94	3.85	1022.98	14.8	30.73	0.89	1024.62
3.6	22.04	6.57	1017.27	9.1	28.96	3.77	1023.01	14.9	30.73	0.88	1024.62
3.7	22.81	6.69	1017.87	9.2	29.01	3.73	1023.05	15.0	30.74	0.87	1024.63
3.8	23.51	6.96	1018.39	9.4	29.07	3.62	1023.11	15.2	30.75	0.85	1024.64
3.9	23.24	7.26	1018.14	9.5	29.19	3.33	1023.22	15.3	30.75	0.84	1024.64
4.1	23.14	7.44	1018.04	9.6	29.39	3.08	1023.40	15.4	30.76	0.83	1024.65
4.3	23.48	7.28	1018.33	9.7	29.52	2.86	1023.52	15.5	30.75	0.79	1024.64
4.4	24.02	7.15	1018.77	9.9	29.58	2.62	1023.59	15.7	30.73	0.77	1024.63
4.6	24.24	6.85	1018.97	10.0	29.39	2.27	1023.46	15.8	30.73	0.76	1024.63
4.7	24.59	6.73	1019.26	10.1	29.58	1.90	1023.64	15.9	30.76	0.76	1024.65
4.8	24.84	6.70	1019.46	10.2	29.69	1.83	1023.73	16.0	30.73	0.75	1024.63
4.9	24.83	6.71	1019.45	10.3	29.71	1.84	1023.75	16.1	30.71	0.74	1024.61
5.1	24.85	6.69	1019.47	10.5	29.83	1.72	1023.85	16.3	30.70	0.67	1024.61
5.2	24.94	6.69	1019.54	10.6	29.83	1.46	1023.86	16.4	30.78	0.56	1024.68
5.3	24.89	6.67	1019.50	10.7	29.89	1.36	1023.92	16.5	30.80	0.51	1024.69
5.4	24.91	6.65	1019.52	10.9	29.92	1.36	1023.94	16.7	30.85	0.46	1024.74
5.6	24.92	6.63	1019.53	11.0	29.93	1.36	1023.95	16.8	30.86	0.43	1024.75
5.7	24.98	6.62	1019.58	11.1	29.93	1.33	1023.95	16.9	30.85	0.42	1024.74
5.8	25.09	6.53	1019.68	11.2	29.99	1.22	1024.01	17.0	30.83	0.41	1024.72
5.9	25.25	6.40	1019.82	11.4	30.05	1.15	1024.06	17.1	30.88	0.40	1024.76
6.0	25.64	6.12	1020.15	11.5	30.06	1.10	1024.07	17.3	30.89	0.36	1024.77
6.2	25.78	6.01	1020.28	11.6	30.10	1.05	1024.10	17.4	30.89	0.35	1024.77
6.3	25.93	5.93	1020.40	11.7	30.13	1.01	1024.13	17.5	30.89	0.33	1024.78
6.4	26.21	5.81	1020.64	11.8	30.20	0.99	1024.19	17.6	30.89	0.30	1024.78
6.5	26.29	5.75	1020.70	12.0	30.21	1.00	1024.20	18.2	30.95	0.16	1024.83
6.7	26.41	5.71	1020.80	12.1	30.21	1.00	1024.20	18.4	30.95	0.15	1024.83
6.8	26.83	5.53	1021.15	12.2	30.25	0.96	1024.23	18.5	30.95	0.14	1024.83

Station: 84A03 Date: JUL 15

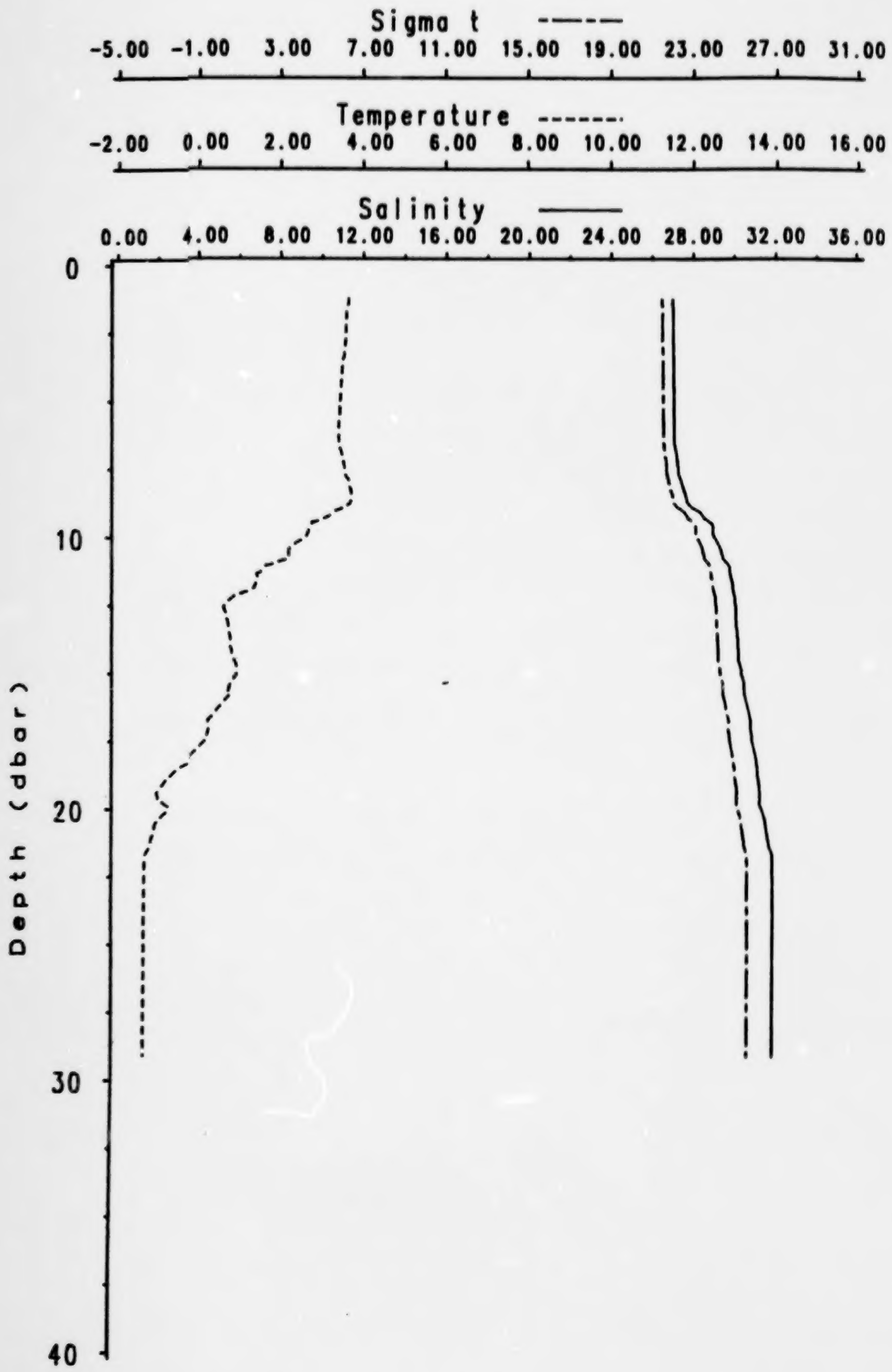

Table A1.3. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A03, July 15, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.3	26.84	3.55	1021.34	8.5	27.49	3.64	1021.85	14.3	30.12	0.74	1024.14
1.5	26.84	3.55	1021.34	8.6	27.53	3.64	1021.88	14.4	30.12	0.74	1024.14
1.6	26.88	3.52	1021.37	8.8	27.59	3.63	1021.93	14.6	30.13	0.78	1024.14
1.7	26.87	3.50	1021.37	8.9	27.67	3.60	1021.99	14.7	30.14	0.82	1024.15
2.6	26.89	3.48	1021.38	9.0	27.80	3.52	1022.10	14.8	30.18	0.84	1024.18
2.8	26.89	3.48	1021.38	9.1	28.03	3.37	1022.30	14.9	30.22	0.86	1024.21
3.0	26.91	3.47	1021.40	9.2	28.23	3.22	1022.47	15.0	30.25	0.86	1024.23
3.1	26.90	3.46	1021.39	9.4	28.42	3.06	1022.63	15.2	30.27	0.86	1024.25
3.2	26.90	3.46	1021.39	9.5	28.60	2.90	1022.79	15.3	30.33	0.81	1024.30
3.3	26.91	3.45	1021.40	9.6	28.79	2.69	1022.95	15.5	30.39	0.70	1024.36
3.5	26.91	3.44	1021.40	9.7	28.86	2.61	1023.02	15.7	30.40	0.67	1024.36
3.6	26.91	3.42	1021.40	9.9	28.87	2.59	1023.02	15.8	30.41	0.65	1024.37
3.7	26.91	3.41	1021.40	10.0	28.87	2.58	1023.03	15.9	30.41	0.71	1024.37
3.8	26.91	3.41	1021.40	10.1	28.91	2.54	1023.06	16.9	30.72	0.15	1024.65
3.9	26.92	3.40	1021.41	10.2	29.00	2.45	1023.14	17.0	30.69	0.18	1024.62
4.1	26.91	3.40	1021.40	10.3	29.07	2.36	1023.20	17.1	30.69	0.19	1024.62
4.2	26.92	3.39	1021.41	10.5	29.21	2.17	1023.32	17.3	30.73	0.16	1024.65
4.3	26.91	3.39	1021.41	10.6	29.25	2.11	1023.36	17.5	30.77	0.11	1024.69
4.4	26.92	3.38	1021.41	10.7	29.28	2.12	1023.38	17.6	30.77	0.11	1024.69
4.6	26.93	3.38	1021.42	10.9	29.35	2.11	1023.44	18.2	30.95	-0.28	1024.85
4.7	26.92	3.38	1021.41	11.0	29.46	1.98	1023.54	18.4	31.00	-0.37	1024.89
4.8	26.92	3.37	1021.41	11.1	29.58	1.77	1023.65	18.5	31.01	-0.49	1024.90
4.9	26.93	3.36	1021.42	11.2	29.67	1.56	1023.73	18.6	31.04	-0.60	1024.93
5.1	26.93	3.35	1021.42	11.4	29.69	1.45	1023.75	18.7	31.05	-0.68	1024.94
5.2	26.93	3.35	1021.42	11.5	29.71	1.34	1023.78	18.9	31.06	-0.80	1024.96
5.3	26.93	3.35	1021.42	11.6	29.73	1.36	1023.79	19.0	31.08	-0.89	1024.97
5.4	26.93	3.35	1021.42	11.7	29.77	1.36	1023.82	19.1	31.11	-0.93	1025.00
5.6	26.93	3.35	1021.42	11.8	29.82	1.32	1023.86	19.2	31.12	-0.97	1025.01
5.7	26.94	3.33	1021.43	12.0	29.83	1.28	1023.88	19.3	31.15	-1.05	1025.04
5.8	26.94	3.33	1021.43	12.1	29.85	1.15	1023.90	19.5	31.17	-1.12	1025.05
5.9	26.94	3.32	1021.43	12.2	29.88	0.99	1023.93	19.7	31.17	-1.08	1025.05
6.0	26.94	3.32	1021.43	12.3	29.93	0.79	1023.98	19.9	31.13	-0.92	1025.02
6.2	26.94	3.32	1021.43	12.5	29.95	0.65	1024.00	20.0	31.18	-0.82	1025.05
6.3	26.94	3.32	1021.43	12.6	29.96	0.59	1024.01	20.1	31.25	-0.83	1025.11
6.4	26.93	3.32	1021.43	12.7	29.98	0.53	1024.03	20.2	31.28	-0.89	1025.14
6.5	26.94	3.33	1021.43	12.8	29.98	0.55	1024.03	20.4	31.37	-1.02	1025.21
6.7	26.96	3.33	1021.45	12.9	29.98	0.59	1024.03	20.5	31.42	-1.11	1025.26
7.3	27.10	3.45	1021.55	13.1	30.00	0.61	1024.05	20.6	31.42	-1.14	1025.26
7.4	27.12	3.45	1021.57	13.2	30.01	0.64	1024.05	20.7	31.45	-1.17	1025.28
7.7	27.16	3.48	1021.60	13.4	30.01	0.66	1024.05	20.8	31.46	-1.18	1025.29
7.8	27.18	3.49	1021.61	13.6	30.05	0.68	1024.08	21.0	31.51	-1.21	1025.33
7.9	27.21	3.51	1021.63	13.7	30.06	0.69	1024.09	21.1	31.53	-1.23	1025.35
8.0	27.28	3.57	1021.69	13.8	30.07	0.70	1024.10	21.2	31.55	-1.25	1025.36
8.1	27.30	3.58	1021.70	13.9	30.09	0.71	1024.11	21.3	31.59	-1.27	1025.40
8.3	27.40	3.61	1021.78	14.1	30.10	0.71	1024.12	21.5	31.62	-1.30	1025.42
8.4	27.43	3.63	1021.80	14.2	30.11	0.71	1024.13	21.6	31.67	-1.33	1025.46

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Table A1.3. Station 84A03 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.7	31.74	-1.37	1025.52	24.0	31.78	-1.42	1025.56	27.0	31.78	-1.43	1025.56
21.8	31.77	-1.40	1025.55	24.2	31.78	-1.42	1025.56	27.1	31.78	-1.42	1025.56
21.9	31.78	-1.41	1025.55	24.3	31.78	-1.42	1025.56	27.2	31.78	-1.42	1025.56
22.1	31.78	-1.41	1025.55	24.4	31.78	-1.42	1025.56	27.4	31.78	-1.42	1025.56
22.2	31.78	-1.41	1025.55	24.5	31.78	-1.42	1025.56	27.5	31.78	-1.42	1025.56
22.3	31.78	-1.41	1025.55	24.7	31.78	-1.42	1025.56	27.6	31.78	-1.42	1025.56
22.4	31.78	-1.41	1025.55	24.8	31.78	-1.42	1025.56	27.7	31.78	-1.42	1025.56
22.6	31.79	-1.41	1025.56	24.9	31.78	-1.42	1025.56	27.9	31.78	-1.42	1025.56
22.7	31.78	-1.41	1025.55	25.0	31.78	-1.42	1025.56	28.1	31.77	-1.42	1025.55
22.8	31.78	-1.41	1025.55	25.8	31.78	-1.42	1025.56	28.2	31.78	-1.42	1025.56
22.9	31.78	-1.41	1025.55	25.9	31.78	-1.42	1025.56	28.5	31.78	-1.42	1025.56
23.1	31.78	-1.41	1025.55	26.0	31.78	-1.42	1025.56	28.6	31.78	-1.42	1025.56
23.2	31.78	-1.41	1025.55	26.1	31.78	-1.42	1025.56	28.7	31.78	-1.42	1025.56
23.3	31.78	-1.41	1025.55	26.3	31.78	-1.42	1025.56	28.9	31.78	-1.42	1025.56
23.4	31.78	-1.41	1025.55	26.4	31.78	-1.42	1025.56	29.0	31.78	-1.42	1025.56
23.6	31.78	-1.41	1025.55	26.5	31.78	-1.42	1025.56	29.1	31.76	-1.42	1025.54
23.7	31.79	-1.41	1025.56	26.6	31.78	-1.42	1025.56	29.2	31.76	-1.42	1025.54
23.8	31.78	-1.42	1025.56	26.8	31.78	-1.42	1025.56				
23.9	31.78	-1.42	1025.56	26.9	31.78	-1.42	1025.56				

Station: 84A04 Date: JUL 15

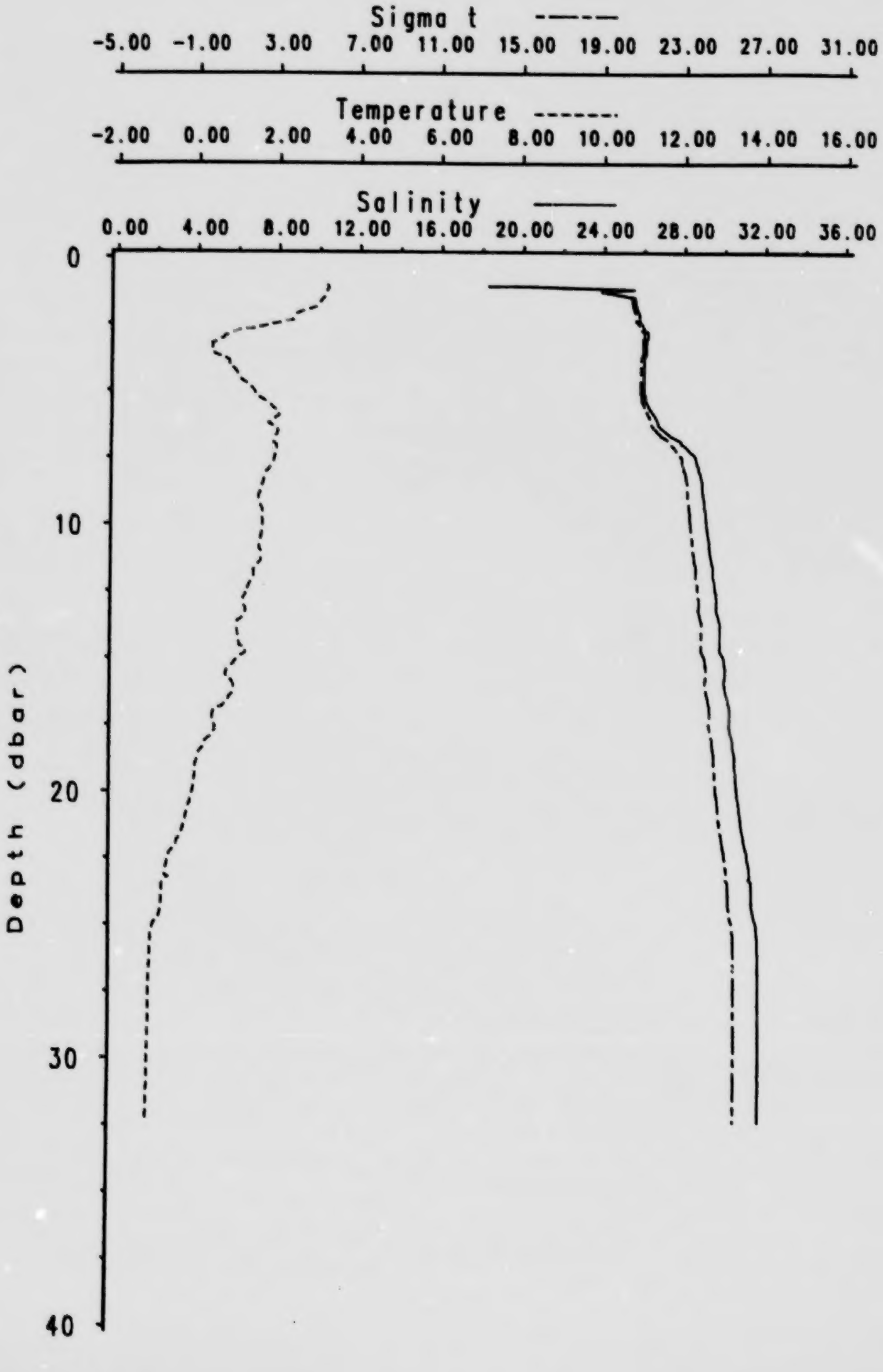

Table A1.4. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A04, July 15, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	18.10	3.08	1014.42	6.9	27.68	1.79	1022.12	12.6	29.52	1.09	1023.64
1.2	25.28	3.11	1020.13	7.0	27.70	1.78	1022.14	12.7	29.48	1.12	1023.60
1.3	23.66	3.07	1018.84	7.1	27.91	1.85	1022.30	12.8	29.53	1.06	1023.65
1.5	25.33	3.03	1020.17	7.3	28.15	1.87	1022.50	12.9	29.53	1.05	1023.65
1.6	25.37	2.97	1020.21	7.4	28.33	1.84	1022.64	13.1	29.53	1.08	1023.65
1.7	25.37	2.92	1020.21	7.5	28.42	1.81	1022.72	13.2	29.53	1.12	1023.64
1.9	25.43	2.83	1020.27	7.7	28.47	1.79	1022.76	13.3	29.55	1.12	1023.66
2.0	25.49	2.66	1020.32	7.8	28.52	1.75	1022.80	13.4	29.59	1.09	1023.69
2.1	25.55	2.42	1020.39	7.9	28.58	1.71	1022.85	13.6	29.66	1.01	1023.75
2.2	25.58	2.31	1020.42	8.0	28.59	1.68	1022.86	13.7	29.71	0.92	1023.80
2.4	25.57	2.27	1020.41	8.1	28.66	1.61	1022.92	13.8	29.71	0.88	1023.80
2.5	25.71	1.96	1020.54	8.3	28.72	1.57	1022.97	14.6	29.71	0.98	1023.79
2.6	25.76	1.64	1020.59	8.4	28.75	1.54	1022.99	14.7	29.67	1.11	1023.76
2.7	25.80	1.41	1020.64	8.5	28.78	1.53	1023.02	14.8	29.73	1.14	1023.80
2.8	26.01	0.92	1020.83	8.6	28.78	1.51	1023.02	14.9	29.81	1.11	1023.87
3.0	26.03	0.57	1020.85	8.8	28.81	1.48	1023.05	15.0	29.89	1.01	1023.94
3.1	25.91	0.52	1020.76	8.9	28.82	1.44	1023.06	15.2	29.93	0.85	1023.98
3.2	25.94	0.38	1020.79	9.0	28.84	1.42	1023.07	15.3	29.94	0.83	1023.99
3.3	25.93	0.25	1020.78	9.1	28.86	1.42	1023.09	15.4	29.98	0.72	1024.02
3.5	25.93	0.25	1020.78	9.2	28.89	1.46	1023.11	15.5	29.98	0.66	1024.03
3.6	25.94	0.26	1020.79	9.4	28.90	1.49	1023.12	15.7	29.96	0.63	1024.01
3.7	25.87	0.33	1020.73	9.5	28.93	1.52	1023.14	15.8	29.93	0.67	1023.99
3.8	25.81	0.49	1020.68	9.6	28.95	1.53	1023.16	15.9	29.90	0.77	1023.96
3.9	25.83	0.67	1020.69	9.7	28.96	1.53	1023.16	16.1	29.95	0.84	1023.99
4.1	25.81	0.69	1020.67	9.9	28.99	1.53	1023.19	16.3	30.00	0.83	1024.04
4.2	25.82	0.77	1020.68	10.0	29.01	1.53	1023.20	16.4	30.04	0.81	1024.07
4.3	25.80	0.83	1020.66	10.1	29.01	1.53	1023.20	16.5	30.09	0.74	1024.11
4.6	25.80	0.95	1020.66	10.2	29.04	1.52	1023.23	16.7	30.13	0.68	1024.15
4.7	25.81	1.02	1020.66	10.3	29.05	1.51	1023.24	16.8	30.18	0.61	1024.19
4.8	25.82	1.11	1020.67	10.5	29.09	1.49	1023.27	16.9	30.21	0.55	1024.22
4.9	25.82	1.21	1020.66	10.6	29.11	1.47	1023.29	17.0	30.22	0.38	1024.23
5.1	25.83	1.31	1020.67	10.7	29.14	1.45	1023.31	17.1	30.22	0.32	1024.24
5.2	25.91	1.35	1020.73	10.9	29.15	1.44	1023.32	17.3	30.20	0.31	1024.22
5.3	25.91	1.42	1020.73	11.0	29.17	1.45	1023.34	17.4	30.18	0.32	1024.20
5.4	25.92	1.52	1020.73	11.1	29.18	1.50	1023.34	17.5	30.17	0.35	1024.19
5.6	26.07	1.71	1020.84	11.2	29.21	1.51	1023.37	17.6	30.19	0.38	1024.21
5.7	26.11	1.76	1020.87	11.4	29.26	1.49	1023.41	17.8	30.24	0.37	1024.25
5.8	26.24	1.85	1020.97	11.5	29.29	1.45	1023.43	17.9	30.28	0.33	1024.28
5.9	26.32	1.93	1021.03	11.6	29.34	1.38	1023.48	18.0	30.32	0.29	1024.32
6.0	26.41	1.91	1021.10	11.7	29.35	1.33	1023.49	18.1	30.35	0.21	1024.35
6.2	26.54	1.75	1021.21	11.8	29.35	1.30	1023.49	18.2	30.37	0.14	1024.36
6.3	26.56	1.65	1021.23	12.0	29.35	1.31	1023.49	18.4	30.39	0.10	1024.38
6.4	26.66	1.78	1021.31	12.1	29.38	1.28	1023.51	18.5	30.41	0.06	1024.40
6.5	26.85	1.89	1021.45	12.2	29.43	1.24	1023.56	18.6	30.44	0.00	1024.43
6.7	27.15	1.87	1021.70	12.3	29.44	1.20	1023.57	18.7	30.46	-0.03	1024.44
6.8	27.42	1.80	1021.92	12.5	29.46	1.15	1023.59	18.9	30.46	-0.06	1024.44

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Table A1.4. Station 84A04 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
19.0	30.46	-0.08	1024.45	23.7	31.34	-0.91	1025.19	28.2	31.69	-1.22	1025.48
19.1	30.48	-0.10	1024.46	23.8	31.34	-0.91	1025.19	28.3	31.68	-1.22	1025.47
19.2	30.49	-0.10	1024.47	23.9	31.34	-0.91	1025.19	28.6	31.68	-1.22	1025.47
19.3	30.51	-0.10	1024.49	24.0	31.34	-0.91	1025.19	28.7	31.69	-1.22	1025.48
19.5	30.53	-0.11	1024.50	24.2	31.35	-0.92	1025.19	28.9	31.70	-1.23	1025.49
19.6	30.54	-0.12	1024.51	24.3	31.36	-0.92	1025.20	29.0	31.68	-1.23	1025.47
19.7	30.55	-0.12	1024.52	24.4	31.37	-0.92	1025.21	29.1	31.70	-1.23	1025.49
19.9	30.58	-0.14	1024.54	24.5	31.40	-0.93	1025.23	29.2	31.69	-1.23	1025.48
20.0	30.58	-0.15	1024.55	24.7	31.44	-0.96	1025.27	29.4	31.70	-1.24	1025.49
20.1	30.60	-0.16	1024.56	24.8	31.47	-0.98	1025.29	29.5	31.70	-1.24	1025.49
20.2	30.62	-0.19	1024.58	24.9	31.53	-1.05	1025.34	29.6	31.68	-1.24	1025.47
20.4	30.67	-0.22	1024.62	25.0	31.56	-1.09	1025.37	29.7	31.70	-1.24	1025.49
20.5	30.67	-0.22	1024.62	25.1	31.59	-1.12	1025.39	29.8	31.70	-1.24	1025.49
20.6	30.71	-0.26	1024.65	25.3	31.61	-1.15	1025.41	30.0	31.69	-1.24	1025.48
20.7	30.71	-0.27	1024.65	25.4	31.63	-1.17	1025.43	30.1	31.71	-1.24	1025.49
20.8	30.73	-0.29	1024.67	25.5	31.64	-1.18	1025.44	30.2	31.70	-1.24	1025.49
21.0	30.77	-0.32	1024.70	25.6	31.64	-1.18	1025.44	30.3	31.70	-1.24	1025.49
21.1	30.77	-0.33	1024.71	25.8	31.64	-1.18	1025.44	30.5	31.71	-1.24	1025.49
21.2	30.80	-0.34	1024.73	25.9	31.66	-1.19	1025.45	30.6	31.69	-1.24	1025.48
21.3	30.81	-0.36	1024.74	26.0	31.66	-1.19	1025.45	30.7	31.69	-1.24	1025.48
21.5	30.85	-0.40	1024.77	26.1	31.67	-1.19	1025.46	30.8	31.70	-1.24	1025.49
21.6	30.89	-0.42	1024.81	26.3	31.67	-1.19	1025.46	30.9	31.72	-1.24	1025.50
21.8	30.94	-0.48	1024.85	26.4	31.66	-1.19	1025.45	31.1	31.70	-1.24	1025.49
21.9	30.96	-0.52	1024.87	26.5	31.66	-1.19	1025.45	31.2	31.71	-1.25	1025.49
22.1	31.01	-0.57	1024.91	26.6	31.67	-1.20	1025.46	31.3	31.70	-1.26	1025.49
22.2	31.05	-0.62	1024.94	26.8	31.68	-1.21	1025.47	31.4	31.70	-1.25	1025.49
22.3	31.09	-0.66	1024.98	26.9	31.68	-1.21	1025.47	31.6	31.70	-1.25	1025.49
22.4	31.11	-0.72	1024.99	27.1	31.67	-1.22	1025.46	31.7	31.70	-1.25	1025.49
22.6	31.14	-0.75	1025.02	27.2	31.68	-1.22	1025.47	31.8	31.70	-1.25	1025.49
22.7	31.17	-0.77	1025.04	27.4	31.68	-1.22	1025.47	31.9	31.70	-1.25	1025.49
22.8	31.19	-0.78	1025.06	27.5	31.68	-1.22	1025.47	32.1	31.71	-1.25	1025.49
22.9	31.22	-0.80	1025.08	27.6	31.68	-1.22	1025.47	32.2	31.70	-1.26	1025.49
23.2	31.26	-0.83	1025.12	27.7	31.69	-1.22	1025.48	32.3	31.70	-1.26	1025.49
23.3	31.18	-0.74	1025.05	27.9	31.68	-1.22	1025.47	32.4	31.69	-1.25	1025.48
23.4	31.32	-0.88	1025.17	28.0	31.68	-1.22	1025.47				
23.6	31.34	-0.90	1025.18	28.1	31.69	-1.22	1025.48				

Station: 84A05 Date: JUL 16

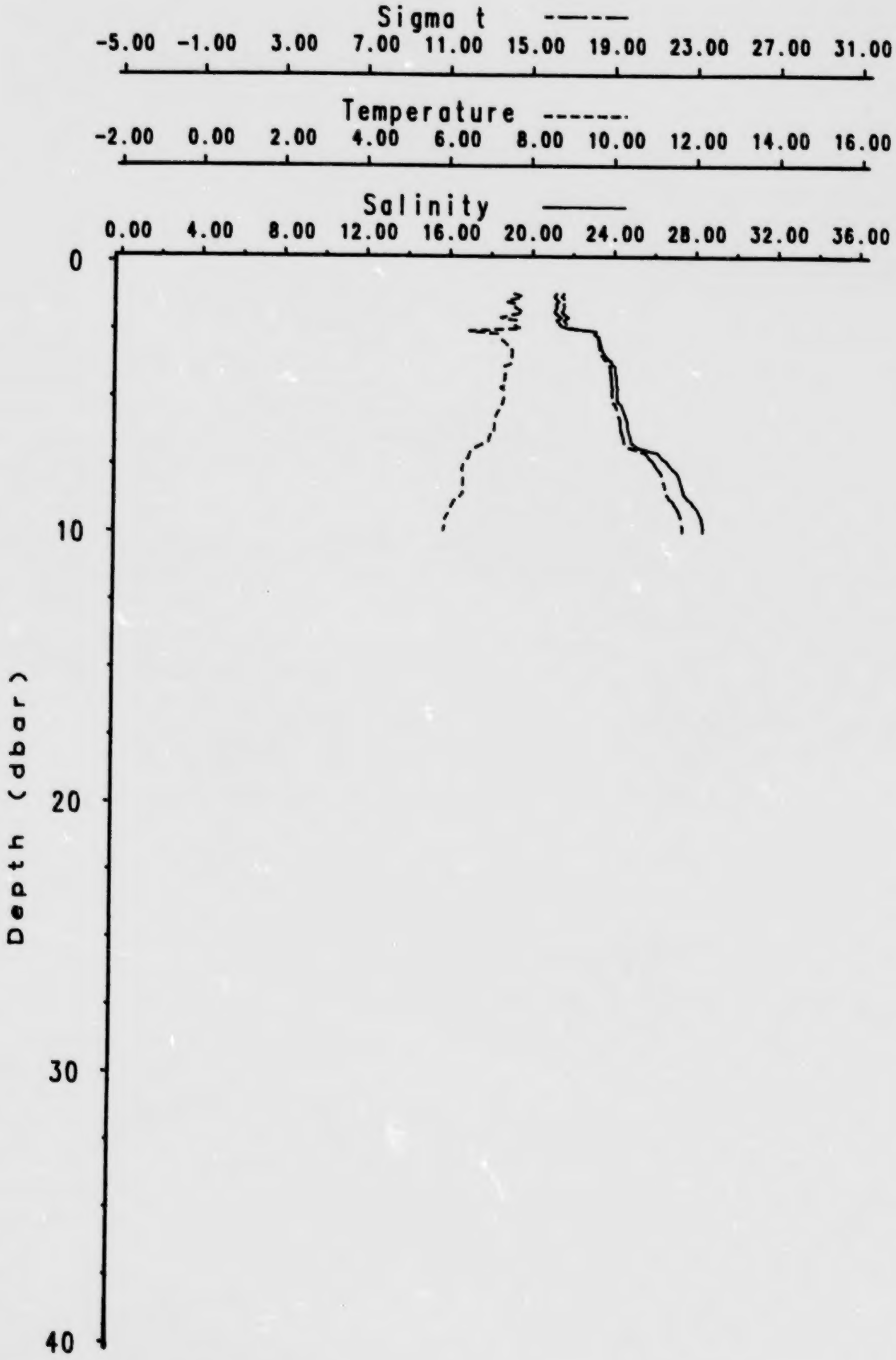

Table A1.5. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A05, July 16, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.2	20.96	7.46	1016.33	4.2	23.91	7.25	1018.67	7.3	26.22	6.37	1020.58
1.3	20.86	7.66	1016.23	4.3	23.94	7.24	1018.69	7.4	26.42	6.29	1020.75
1.5	21.08	7.26	1016.45	4.4	23.95	7.23	1018.70	7.5	26.51	6.25	1020.83
1.6	20.94	7.53	1016.31	4.6	23.94	7.24	1018.69	7.7	26.75	6.21	1021.02
1.7	20.99	7.47	1016.36	4.7	24.02	7.14	1018.77	7.8	26.90	6.24	1021.13
1.9	20.86	7.67	1016.23	4.8	23.96	7.23	1018.71	7.9	26.99	6.25	1021.20
2.0	21.03	7.40	1016.39	4.9	23.98	7.21	1018.73	8.5	27.25	6.24	1021.41
2.1	21.20	7.13	1016.56	5.1	23.98	7.21	1018.73	8.6	27.28	6.25	1021.43
2.2	20.98	7.55	1016.34	5.2	24.00	7.20	1018.75	8.8	27.48	6.14	1021.60
2.4	21.19	7.47	1016.51	5.3	24.17	7.18	1018.88	8.9	27.68	6.02	1021.77
2.5	21.57	7.62	1016.79	5.8	24.42	7.00	1019.10	9.0	27.74	6.00	1021.82
2.6	22.83	6.36	1017.92	5.9	24.47	7.00	1019.14	9.1	27.87	5.96	1021.93
2.7	22.82	7.05	1017.84	6.0	24.50	6.99	1019.16	9.2	27.97	5.93	1022.01
2.8	23.04	7.09	1018.00	6.3	24.54	6.98	1019.19	9.4	28.09	5.88	1022.11
3.3	23.23	7.42	1018.12	6.4	24.59	6.91	1019.24	9.5	28.16	5.83	1022.17
3.5	23.39	7.41	1018.24	6.5	24.64	6.88	1019.28	9.6	28.18	5.82	1022.19
3.6	23.50	7.40	1018.33	6.7	24.69	6.85	1019.33	9.7	28.20	5.82	1022.20
3.7	23.67	7.41	1018.46	6.8	24.82	6.69	1019.45	9.9	28.24	5.79	1022.24
3.8	23.73	7.39	1018.51	6.9	25.00	6.58	1019.60	10.0	28.21	5.78	1022.22
3.9	23.87	7.24	1018.64	7.0	25.49	6.47	1020.00				
4.1	23.87	7.25	1018.64	7.1	26.00	6.41	1020.41				

Station: 84A06 Date: JUL 23

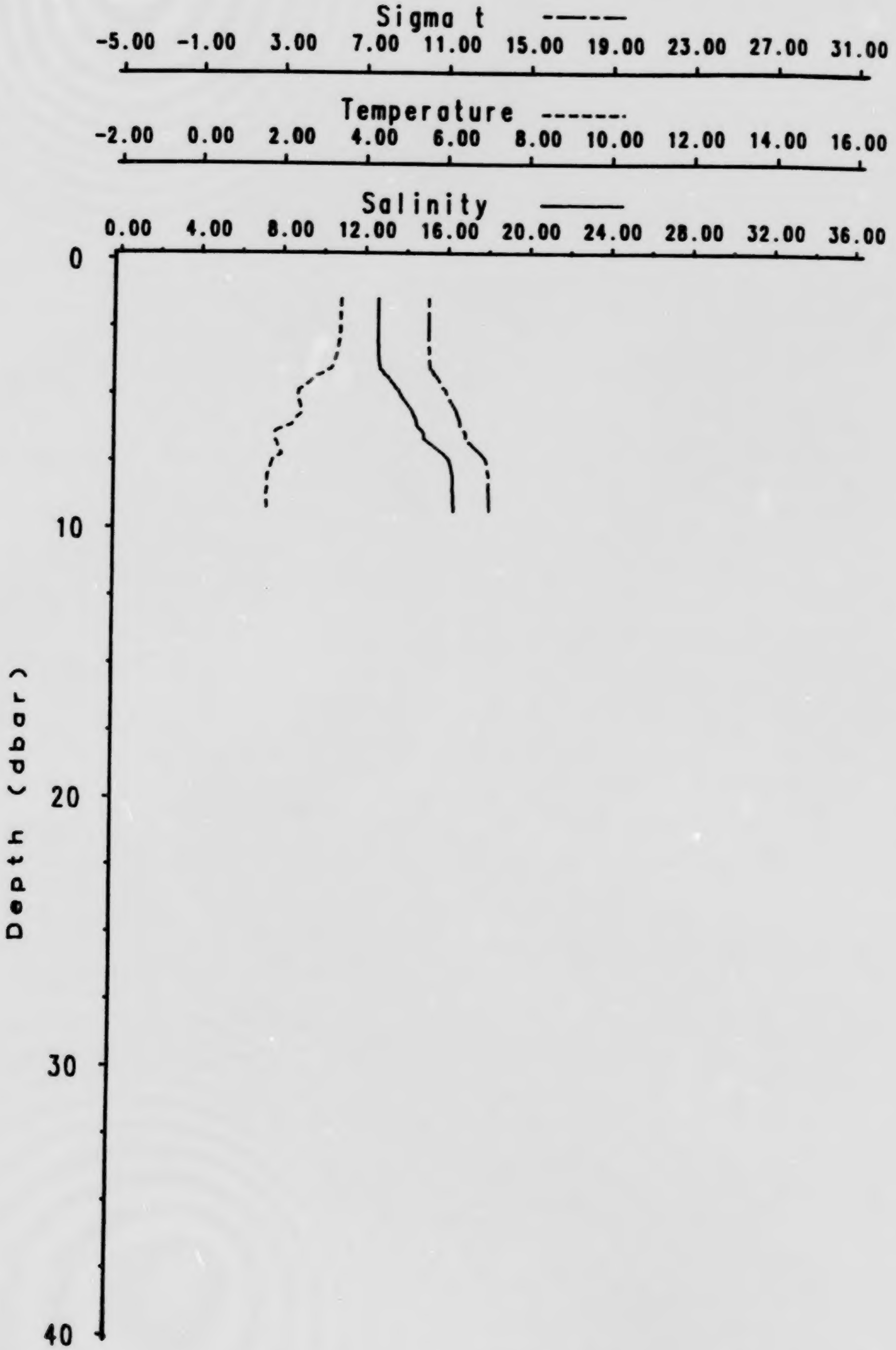

Table A1.6. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A06, July 23, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	12.42	3.31	1009.89	3.9	12.51	3.13	1009.97	6.5	14.70	1.70	1011.74
1.6	12.42	3.30	1009.89	4.1	12.55	3.08	1010.00	6.7	14.71	1.72	1011.75
1.7	12.41	3.30	1009.88	4.2	12.70	2.89	1010.13	7.3	15.69	1.89	1012.53
1.9	12.42	3.29	1009.89	4.3	12.76	2.85	1010.17	7.4	15.84	1.75	1012.66
2.0	12.42	3.29	1009.89	4.4	12.92	2.67	1010.31	7.5	15.95	1.66	1012.75
2.1	12.42	3.29	1009.89	4.6	13.12	2.56	1010.47	8.1	16.13	1.53	1012.89
2.6	12.42	3.29	1009.89	4.7	13.23	2.49	1010.56	8.3	16.11	1.53	1012.88
2.7	12.42	3.29	1009.89	4.8	13.31	2.39	1010.62	8.5	16.11	1.53	1012.88
2.8	12.42	3.28	1009.89	4.9	13.46	2.29	1010.74	8.6	16.12	1.53	1012.88
3.0	12.43	3.27	1009.90	5.1	13.58	2.27	1010.84	8.8	16.16	1.51	1012.92
3.1	12.43	3.26	1009.90	5.7	14.14	2.38	1011.29	8.9	16.17	1.51	1012.92
3.2	12.44	3.25	1009.91	5.8	14.18	2.34	1011.32	9.0	16.18	1.52	1012.93
3.3	12.45	3.24	1009.92	5.9	14.26	2.26	1011.38	9.1	16.18	1.53	1012.93
3.5	12.45	3.22	1009.92	6.0	14.32	2.19	1011.43	9.2	16.19	1.53	1012.94
3.6	12.46	3.20	1009.93	6.2	14.36	2.12	1011.47	9.4	16.19	1.54	1012.94
3.7	12.48	3.18	1009.94	6.3	14.46	1.93	1011.55				
3.8	12.49	3.16	1009.95	6.4	14.60	1.77	1011.66				

Station: 84A07 Date: JUL 23

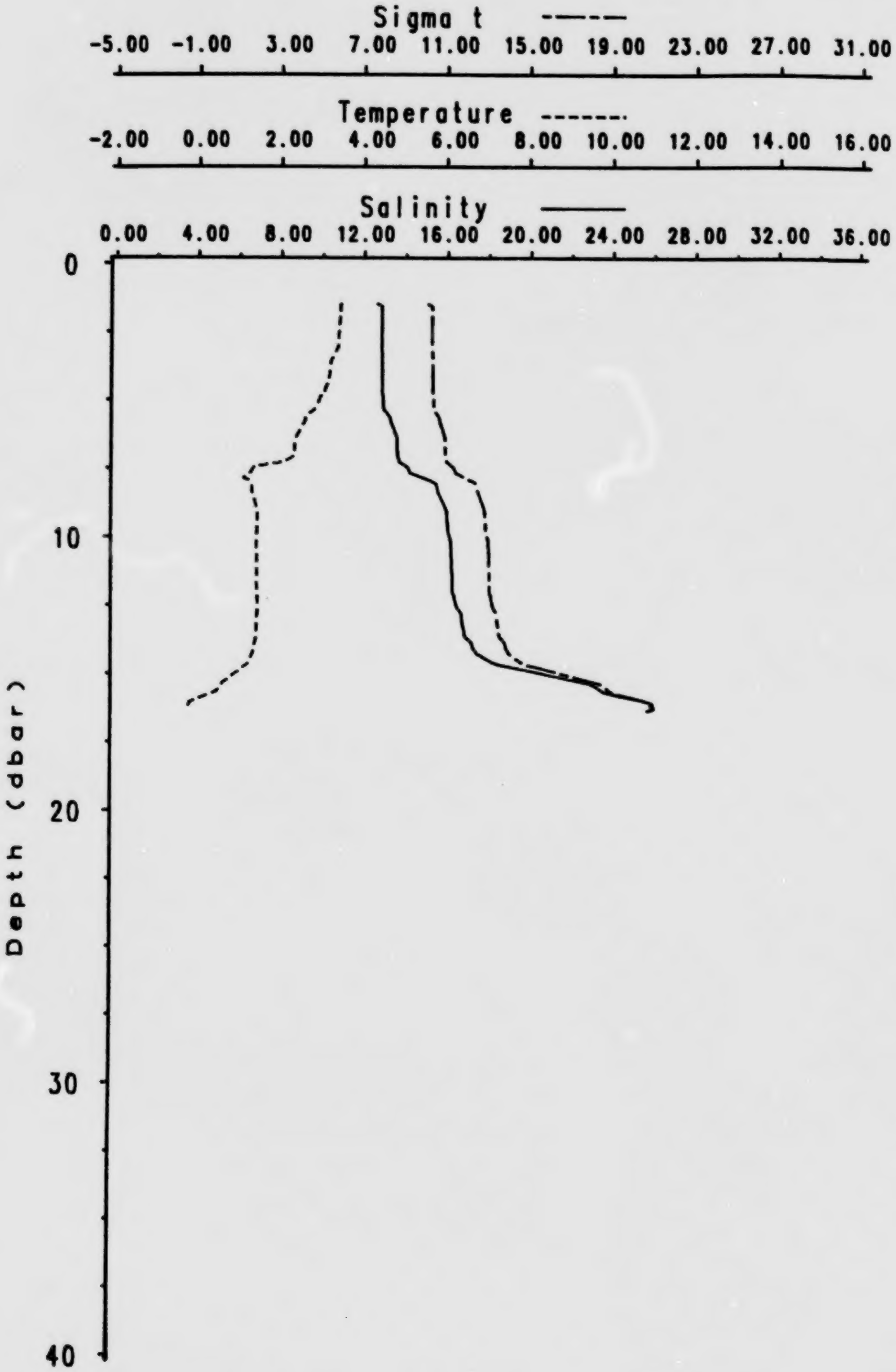

Table A1.7. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A07, July 23, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	12.41	3.32	1009.88	6.0	13.17	2.38	1010.51	11.4	16.05	1.32	1012.83
1.6	12.62	3.31	1010.05	6.2	13.25	2.32	1010.58	11.5	16.05	1.32	1012.83
1.7	12.62	3.32	1010.05	6.3	13.32	2.29	1010.63	11.6	16.06	1.32	1012.84
1.9	12.61	3.32	1010.04	6.4	13.37	2.25	1010.67	11.7	16.06	1.31	1012.84
2.0	12.61	3.30	1010.04	6.5	13.39	2.22	1010.69	11.8	16.06	1.31	1012.84
2.1	12.61	3.30	1010.04	6.7	13.39	2.21	1010.69	12.0	16.07	1.33	1012.85
2.2	12.62	3.29	1010.05	6.8	13.39	2.21	1010.69	12.1	16.08	1.33	1012.85
2.4	12.62	3.27	1010.05	6.9	13.40	2.21	1010.70	12.2	16.16	1.34	1012.92
2.5	12.61	3.28	1010.04	7.0	13.40	2.20	1010.70	12.3	16.16	1.33	1012.92
2.6	12.62	3.27	1010.05	7.1	13.41	2.19	1010.71	12.5	16.23	1.35	1012.97
2.7	12.62	3.27	1010.05	7.3	13.50	1.98	1010.78	12.6	16.27	1.35	1013.01
2.8	12.61	3.28	1010.04	7.4	13.69	1.54	1010.94	12.7	16.35	1.34	1013.07
3.0	12.62	3.27	1010.05	7.5	13.89	1.23	1011.10	12.8	16.47	1.33	1013.17
3.1	12.63	3.25	1010.06	7.7	14.01	1.15	1011.20	12.9	16.50	1.32	1013.19
3.2	12.63	3.22	1010.06	7.8	14.33	1.02	1011.45	13.1	16.53	1.32	1013.21
3.3	12.65	3.17	1010.08	7.9	14.68	0.99	1011.73	13.2	16.54	1.31	1013.22
3.5	12.66	3.12	1010.09	8.0	15.01	1.14	1012.00	13.3	16.57	1.31	1013.25
3.6	12.66	3.08	1010.09	8.1	15.26	1.19	1012.20	13.4	16.61	1.31	1013.28
3.7	12.65	3.08	1010.08	8.4	15.35	1.20	1012.27	13.6	16.65	1.30	1013.31
3.8	12.66	3.07	1010.09	9.1	15.77	1.33	1012.61	13.7	16.69	1.30	1013.34
3.9	12.66	3.06	1010.09	9.2	15.77	1.33	1012.61	13.8	16.85	1.29	1013.47
4.1	12.66	3.05	1010.09	9.4	15.80	1.33	1012.63	13.9	16.99	1.27	1013.58
4.2	12.66	3.04	1010.09	9.5	15.81	1.33	1012.64	14.1	17.06	1.25	1013.64
4.3	12.66	3.03	1010.09	9.6	15.83	1.33	1012.65	14.2	17.16	1.23	1013.72
4.4	12.67	3.02	1010.10	9.7	15.83	1.32	1012.65	14.3	17.24	1.22	1013.78
4.6	12.67	2.95	1010.10	9.9	15.86	1.31	1012.68	14.4	17.48	1.19	1013.98
4.7	12.67	2.94	1010.10	10.0	15.90	1.30	1012.71	14.6	17.91	1.11	1014.32
4.8	12.67	2.92	1010.10	10.1	15.95	1.30	1012.75	14.7	18.26	1.09	1014.60
4.9	12.70	2.83	1010.13	10.2	15.97	1.30	1012.77	15.4	22.73	0.48	1018.20
5.1	12.71	2.79	1010.14	10.3	15.98	1.31	1012.77	15.5	23.01	0.45	1018.43
5.2	12.71	2.74	1010.14	10.5	16.01	1.31	1012.80	15.7	23.38	0.34	1018.73
5.3	12.72	2.71	1010.15	10.6	16.01	1.32	1012.80	15.8	23.97	0.17	1019.21
5.4	12.76	2.68	1010.18	10.7	16.01	1.32	1012.80	15.9	24.66	0.01	1019.77
5.6	12.96	2.51	1010.34	10.9	16.03	1.32	1012.81	16.0	25.25	-0.17	1020.25
5.7	13.04	2.47	1010.41	11.0	16.03	1.32	1012.81	16.1	25.73	-0.30	1020.64
5.8	13.07	2.46	1010.43	11.1	16.03	1.32	1012.81	16.3	25.84	-0.36	1020.73
5.9	13.11	2.43	1010.46	11.2	16.04	1.32	1012.82	16.4	25.50	-0.41	1020.45

Station: 84A08 Date: JUL 23

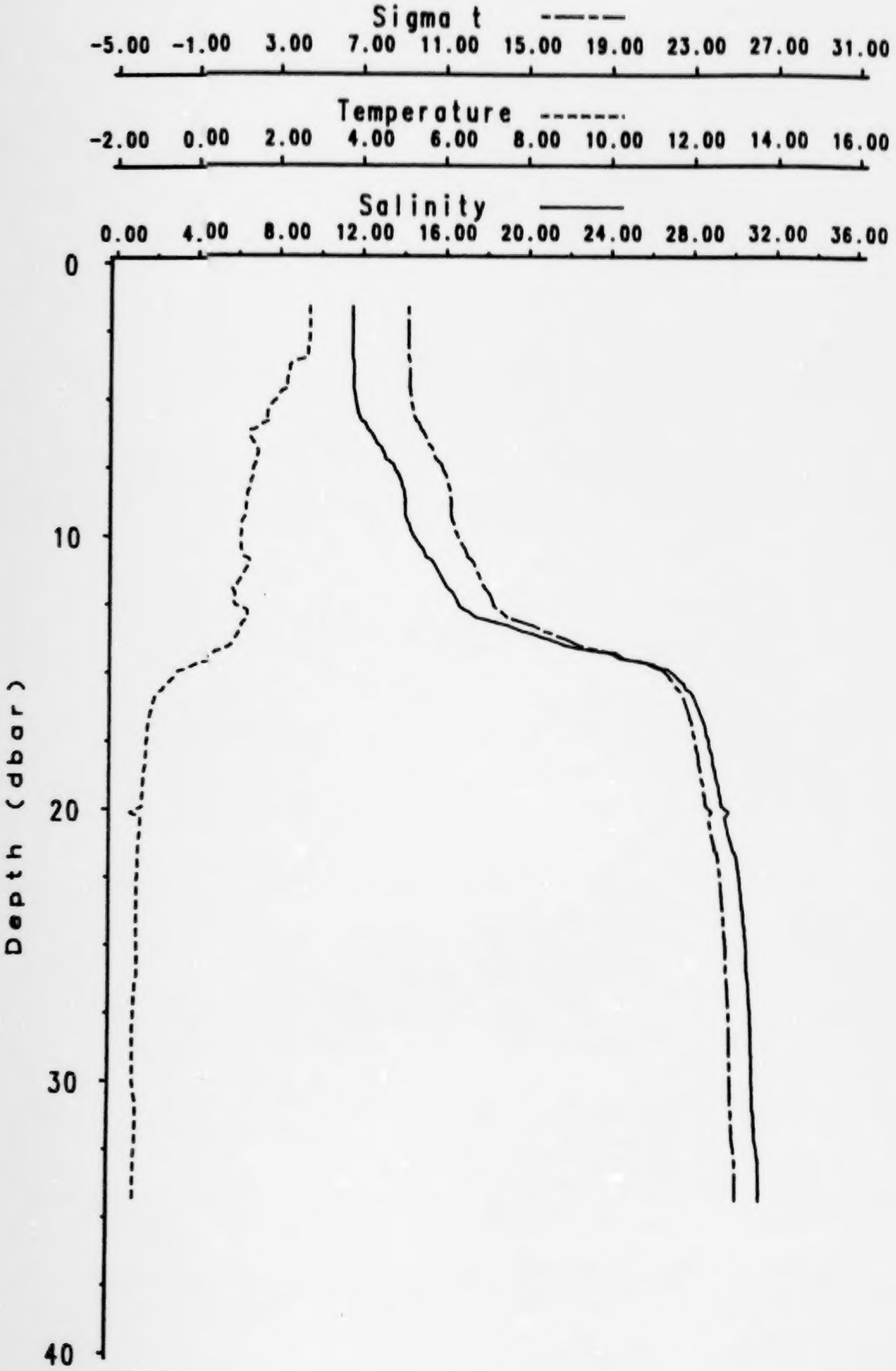

Table A1.8. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A08, July 23, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	11.31	2.61	1009.02	7.7	13.43	1.27	1010.73	14.4	23.93	0.39	1019.17
1.9	11.32	2.61	1009.03	7.8	13.53	1.28	1010.81	14.6	24.39	0.22	1019.55
2.0	11.32	2.62	1009.03	7.9	13.61	1.27	1010.88	14.7	25.35	-0.09	1020.33
2.1	11.33	2.62	1009.04	8.0	13.65	1.26	1010.91	14.8	25.96	-0.21	1020.82
2.2	11.31	2.63	1009.02	8.1	13.73	1.23	1010.97	14.9	26.21	-0.34	1021.02
2.4	11.32	2.63	1009.03	8.3	13.78	1.20	1011.01	15.0	26.69	-0.55	1021.42
2.5	11.32	2.63	1009.03	8.4	13.83	1.21	1011.05	15.2	27.04	-0.65	1021.70
2.6	11.32	2.62	1009.03	8.5	13.89	1.15	1011.10	15.3	27.14	-0.70	1021.78
2.7	11.32	2.62	1009.03	8.6	13.88	1.14	1011.09	15.4	27.27	-0.77	1021.89
2.8	11.32	2.61	1009.03	8.8	13.93	1.12	1011.13	15.5	27.46	-0.87	1022.04
3.1	11.32	2.60	1009.03	8.9	13.93	1.12	1011.13	15.7	27.57	-0.94	1022.13
3.2	11.32	2.58	1009.03	9.0	13.93	1.11	1011.13	15.8	27.78	-1.06	1022.31
3.3	11.32	2.58	1009.03	9.1	13.94	1.11	1011.14	15.9	27.89	-1.11	1022.40
3.5	11.32	2.58	1009.03	9.4	13.95	1.09	1011.15	16.8	28.39	-1.27	1022.80
3.6	11.34	2.50	1009.05	9.5	13.99	1.06	1011.18	17.0	28.49	-1.28	1022.88
3.7	11.38	2.31	1009.08	9.6	14.04	1.02	1011.22	17.1	28.53	-1.29	1022.92
3.8	11.41	2.18	1009.11	9.7	14.13	1.00	1011.29	17.3	28.57	-1.30	1022.95
3.9	11.41	2.14	1009.11	9.9	14.19	1.00	1011.34	17.4	28.59	-1.30	1022.97
4.2	11.40	2.12	1009.10	10.0	14.25	1.00	1011.39	17.5	28.66	-1.30	1023.02
4.3	11.39	2.10	1009.09	10.1	14.32	1.00	1011.45	17.6	28.71	-1.32	1023.06
4.4	11.40	2.08	1009.10	10.2	14.39	0.98	1011.50	17.8	28.74	-1.32	1023.09
4.6	11.39	2.08	1009.09	10.3	14.49	1.00	1011.58	17.9	28.76	-1.32	1023.10
4.7	11.38	2.10	1009.09	10.5	14.66	1.00	1011.72	18.0	28.82	-1.32	1023.15
4.8	11.43	1.97	1009.13	10.6	14.79	1.00	1011.82	18.1	28.86	-1.33	1023.19
4.9	11.46	1.91	1009.15	10.9	14.95	1.08	1011.95	18.4	28.92	-1.34	1023.23
5.1	11.50	1.84	1009.18	11.0	15.18	1.20	1012.13	18.5	28.91	-1.34	1023.23
5.2	11.52	1.77	1009.20	11.1	15.30	1.22	1012.23	18.6	28.98	-1.36	1023.28
5.3	11.54	1.71	1009.22	12.0	15.96	0.88	1012.76	18.7	29.01	-1.37	1023.31
5.4	11.58	1.66	1009.25	12.1	16.09	0.79	1012.87	18.9	29.05	-1.38	1023.34
5.6	11.62	1.61	1009.28	12.2	16.23	0.84	1012.98	19.0	29.08	-1.39	1023.36
5.7	11.68	1.61	1009.33	12.3	16.32	0.86	1013.05	19.1	29.11	-1.39	1023.39
5.8	11.72	1.60	1009.36	12.5	16.45	0.81	1013.16	19.2	29.17	-1.40	1023.44
5.9	11.80	1.67	1009.42	12.7	16.56	0.87	1013.24	19.3	29.20	-1.40	1023.46
6.0	11.98	1.53	1009.57	12.8	16.74	1.08	1013.39	19.5	29.23	-1.40	1023.49
6.2	12.09	1.34	1009.66	12.9	17.02	1.16	1013.61	19.6	29.26	-1.41	1023.51
6.3	12.21	1.18	1009.75	13.1	17.34	1.17	1013.87	19.7	29.30	-1.41	1023.54
6.4	12.32	1.16	1009.84	13.2	17.92	1.13	1014.33	19.9	29.32	-1.41	1023.56
6.5	12.39	1.20	1009.90	13.3	18.39	1.07	1014.71	20.0	29.35	-1.42	1023.58
6.7	12.52	1.28	1010.00	13.4	18.92	1.02	1015.13	20.2	29.69	-1.70	1023.86
6.8	12.62	1.34	1010.08	13.6	19.57	0.98	1015.66	20.4	29.50	-1.44	1023.71
6.9	12.77	1.37	1010.20	13.7	20.12	0.94	1016.10	20.6	29.55	-1.45	1023.75
7.0	12.82	1.40	1010.24	13.8	20.47	0.91	1016.38	20.7	29.58	-1.46	1023.77
7.1	12.90	1.39	1010.31	13.9	20.94	0.86	1016.76	21.0	29.67	-1.47	1023.84
7.3	12.97	1.36	1010.36	14.1	21.61	0.79	1017.30	21.1	29.71	-1.48	1023.88
7.4	13.15	1.36	1010.51	14.2	22.19	0.72	1017.76	21.2	29.75	-1.48	1023.91
7.5	13.33	1.32	1010.65	14.3	22.94	0.59	1018.37	21.3	29.80	-1.49	1023.95

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Table A1.8. Station 84A08 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.6	29.90	-1.50	1024.03	25.3	30.61	-1.52	1024.61	30.0	30.90	-1.60	1024.84
21.7	30.01	-1.51	1024.12	25.4	30.60	-1.51	1024.60	30.1	30.91	-1.60	1024.85
21.8	30.05	-1.51	1024.15	25.6	30.59	-1.51	1024.59	30.2	30.92	-1.59	1024.86
21.9	30.09	-1.51	1024.19	25.8	30.62	-1.51	1024.62	30.5	30.93	-1.57	1024.87
22.1	30.13	-1.51	1024.22	25.9	30.61	-1.51	1024.61	30.6	30.94	-1.55	1024.88
22.2	30.15	-1.51	1024.23	26.0	30.62	-1.51	1024.62	30.7	30.94	-1.54	1024.88
22.3	30.17	-1.51	1024.25	26.1	30.64	-1.51	1024.63	30.9	30.95	-1.51	1024.88
22.4	30.21	-1.52	1024.28	26.3	30.67	-1.53	1024.66	31.1	30.96	-1.51	1024.89
22.6	30.23	-1.52	1024.30	26.4	30.69	-1.55	1024.67	31.2	31.00	-1.51	1024.92
22.7	30.24	-1.53	1024.31	26.5	30.71	-1.57	1024.69	31.3	31.00	-1.51	1024.92
22.8	30.26	-1.53	1024.32	27.4	30.79	-1.60	1024.76	31.4	31.02	-1.51	1024.94
22.9	30.28	-1.53	1024.34	27.5	30.81	-1.60	1024.77	31.6	31.01	-1.51	1024.93
23.1	30.30	-1.53	1024.36	27.6	30.82	-1.60	1024.78	31.7	31.03	-1.51	1024.95
23.2	30.33	-1.53	1024.38	27.7	30.82	-1.60	1024.78	31.8	31.05	-1.52	1024.96
23.3	30.34	-1.53	1024.39	27.9	30.82	-1.61	1024.78	31.9	31.06	-1.52	1024.97
23.4	30.35	-1.53	1024.40	28.0	30.82	-1.61	1024.78	32.1	31.07	-1.52	1024.98
23.6	30.38	-1.53	1024.42	28.1	30.84	-1.62	1024.80	32.2	31.07	-1.52	1024.98
23.7	30.39	-1.53	1024.43	28.2	30.83	-1.61	1024.79	32.4	31.13	-1.53	1025.03
23.8	30.41	-1.53	1024.45	28.3	30.85	-1.61	1024.80	32.7	31.19	-1.54	1025.08
23.9	30.43	-1.53	1024.46	28.6	30.86	-1.61	1024.81	32.8	31.21	-1.55	1025.10
24.0	30.45	-1.53	1024.48	28.7	30.86	-1.61	1024.81	32.9	31.23	-1.55	1025.11
24.2	30.46	-1.53	1024.49	28.9	30.87	-1.61	1024.82	33.0	31.25	-1.55	1025.13
24.3	30.47	-1.53	1024.49	29.0	30.87	-1.61	1024.82	33.2	31.26	-1.55	1025.14
24.4	30.49	-1.53	1024.51	29.1	30.88	-1.61	1024.83	33.3	31.26	-1.56	1025.14
24.5	30.51	-1.53	1024.53	29.2	30.88	-1.61	1024.83	33.4	31.27	-1.56	1025.14
24.7	30.52	-1.53	1024.53	29.4	30.88	-1.61	1024.83	33.5	31.28	-1.56	1025.15
24.8	30.54	-1.53	1024.55	29.5	30.89	-1.61	1024.84	33.7	31.28	-1.56	1025.15
24.9	30.57	-1.53	1024.58	29.6	30.90	-1.60	1024.84	33.8	31.28	-1.56	1025.15
25.0	30.55	-1.52	1024.56	29.7	30.89	-1.60	1024.84	33.9	31.29	-1.56	1025.16
25.1	30.59	-1.52	1024.59	29.8	30.90	-1.60	1024.84				

Station: 84A10 Date: Jul 24

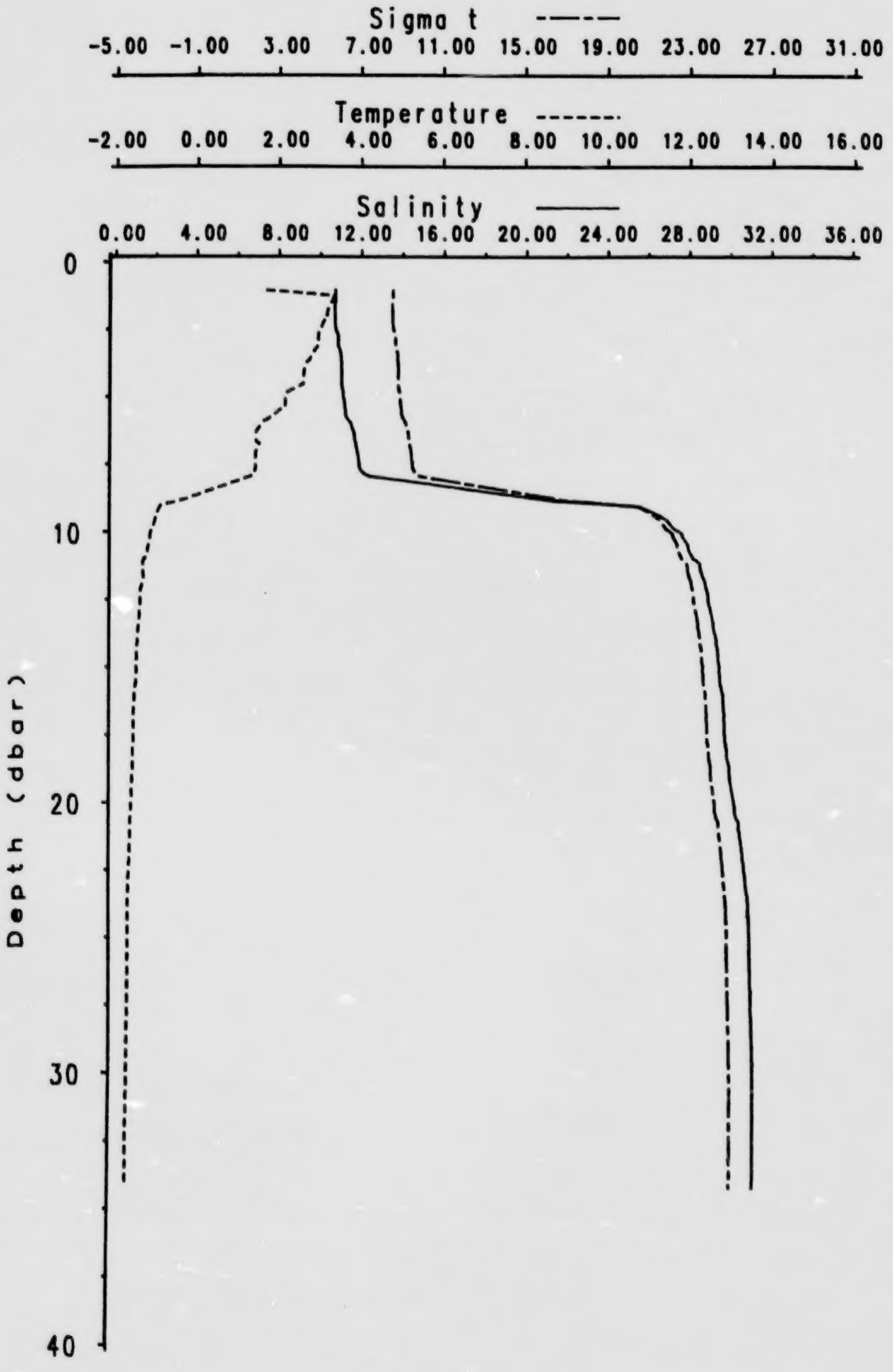

Table A1.9. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84A10, July 24, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	10.76	1.72	1008.59	7.9	12.20	1.41	1009.74	15.7	29.66	-1.45	1023.84
1.3	10.76	3.36	1008.57	8.0	12.44	1.36	1009.94	15.8	29.69	-1.46	1023.86
1.5	10.77	3.32	1008.58	8.9	21.47	-0.32	1017.20	15.9	29.71	-1.47	1023.88
1.6	10.74	3.24	1008.56	9.0	23.75	-0.57	1019.04	16.0	29.75	-1.48	1023.91
1.9	10.75	3.19	1008.57	9.1	25.70	-0.86	1020.62	16.1	29.78	-1.48	1023.93
2.0	10.74	3.18	1008.56	9.4	26.61	-0.96	1021.36	16.3	29.77	-1.49	1023.93
2.1	10.75	3.19	1008.57	9.6	27.01	-0.99	1021.68	16.4	29.80	-1.49	1023.95
2.2	10.77	3.12	1008.58	9.7	27.11	-1.00	1021.76	16.5	29.81	-1.50	1023.96
2.5	10.80	3.03	1008.61	9.9	27.32	-1.04	1021.93	16.7	29.83	-1.50	1023.97
2.6	10.82	3.00	1008.63	10.0	27.55	-1.08	1022.12	16.8	29.85	-1.50	1023.99
2.7	10.89	2.97	1008.68	10.1	27.74	-1.11	1022.27	16.9	29.84	-1.50	1023.98
2.8	10.92	2.97	1008.71	10.2	27.73	-1.12	1022.27	17.0	29.82	-1.49	1023.97
3.0	10.92	2.97	1008.71	10.3	27.84	-1.12	1022.36	17.1	29.86	-1.50	1024.00
3.2	10.94	2.95	1008.72	10.5	28.02	-1.15	1022.50	17.3	29.86	-1.49	1024.00
3.3	11.00	2.90	1008.77	10.7	28.06	-1.17	1022.53	17.4	29.85	-1.49	1023.99
3.5	11.06	2.81	1008.82	10.9	28.21	-1.19	1022.66	17.5	29.86	-1.49	1024.00
3.6	11.07	2.79	1008.83	11.0	28.28	-1.22	1022.71	17.6	29.89	-1.50	1024.02
3.7	11.08	2.76	1008.84	11.1	28.46	-1.27	1022.86	17.8	29.90	-1.49	1024.03
3.8	11.10	2.68	1008.85	11.2	28.60	-1.29	1022.97	17.9	29.94	-1.50	1024.06
3.9	11.09	2.63	1008.85	11.4	28.64	-1.28	1023.01	18.0	29.95	-1.50	1024.07
4.1	11.10	2.63	1008.86	11.5	28.66	-1.28	1023.02	18.1	29.98	-1.51	1024.10
4.2	11.10	2.62	1008.86	11.6	28.72	-1.29	1023.07	18.4	30.00	-1.50	1024.11
4.3	11.09	2.62	1008.85	11.7	28.75	-1.27	1023.09	18.5	30.04	-1.51	1024.14
4.4	11.09	2.61	1008.85	11.8	28.83	-1.28	1023.16	18.6	30.06	-1.51	1024.16
4.6	11.09	2.61	1008.85	12.1	28.92	-1.32	1023.23	18.7	30.10	-1.51	1024.19
4.7	11.12	2.48	1008.87	12.2	28.96	-1.34	1023.27	18.9	30.10	-1.51	1024.19
4.8	11.14	2.33	1008.89	12.3	29.01	-1.35	1023.31	19.0	30.12	-1.51	1024.21
4.9	11.18	2.23	1008.92	12.5	29.04	-1.35	1023.33	19.1	30.13	-1.53	1024.22
5.1	11.21	2.17	1008.95	12.6	29.03	-1.35	1023.32	19.2	30.13	-1.53	1024.22
5.3	11.25	2.17	1008.98	13.4	29.28	-1.38	1023.53	20.1	30.35	-1.55	1024.40
5.4	11.25	2.16	1008.98	13.6	29.30	-1.39	1023.54	20.2	30.37	-1.55	1024.41
5.6	11.30	2.01	1009.02	13.7	29.33	-1.40	1023.57	20.4	30.38	-1.55	1024.42
5.7	11.30	1.93	1009.02	13.8	29.37	-1.40	1023.60	20.5	30.40	-1.56	1024.44
5.8	11.33	1.83	1009.05	13.9	29.40	-1.41	1023.62	20.6	30.44	-1.56	1024.47
5.9	11.42	1.74	1009.12	14.1	29.44	-1.41	1023.66	20.7	30.53	-1.57	1024.54
6.0	11.53	1.61	1009.21	14.2	29.43	-1.42	1023.65	20.8	30.58	-1.57	1024.58
6.3	11.66	1.49	1009.31	14.3	29.47	-1.42	1023.68	21.0	30.56	-1.57	1024.57
6.4	11.73	1.45	1009.37	14.4	29.51	-1.43	1023.71	21.1	30.60	-1.57	1024.60
6.7	11.77	1.46	1009.40	14.6	29.53	-1.43	1023.73	21.2	30.63	-1.57	1024.62
6.8	11.80	1.54	1009.42	14.8	29.53	-1.43	1023.73	21.3	30.62	-1.57	1024.62
6.9	11.82	1.51	1009.44	14.9	29.56	-1.44	1023.75	21.5	30.68	-1.58	1024.67
7.1	11.88	1.45	1009.49	15.0	29.59	-1.44	1023.78	21.6	30.67	-1.58	1024.66
7.4	11.95	1.45	1009.54	15.2	29.57	-1.43	1023.76	21.7	30.73	-1.58	1024.71
7.5	11.97	1.45	1009.56	15.3	29.61	-1.44	1023.79	21.8	30.73	-1.59	1024.71
7.7	12.00	1.45	1009.58	15.4	29.62	-1.44	1023.80	21.9	30.76	-1.58	1024.73
7.8	12.07	1.43	1009.64	15.5	29.63	-1.44	1023.81	22.2	30.79	-1.59	1024.76

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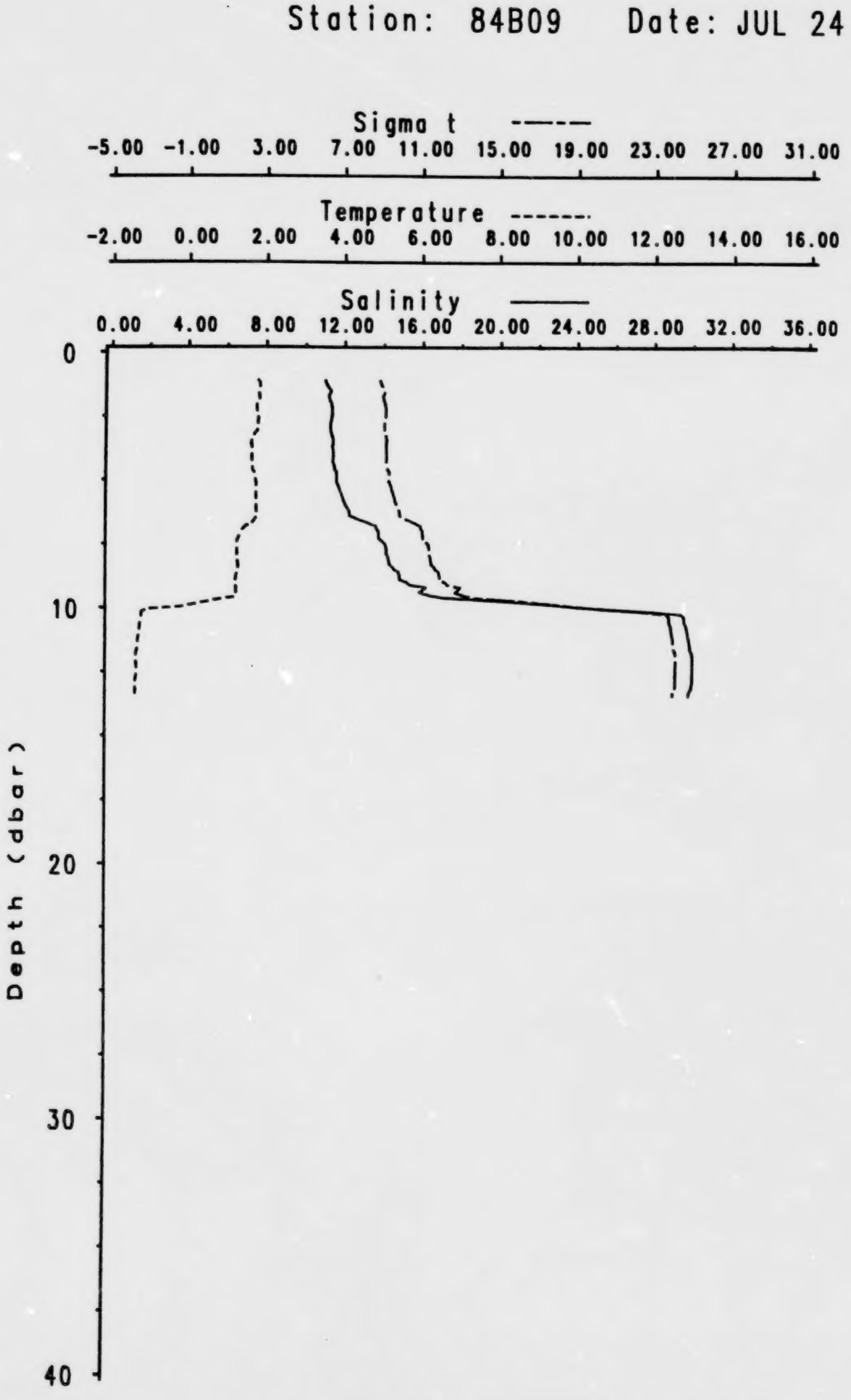
Table A1.9. Station 84A10 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
22.4	30.84	-1.60	1024.80	26.1	31.14	-1.63	1025.04	30.5	31.31	-1.64	1025.18
22.6	30.86	-1.60	1024.81	26.4	31.16	-1.62	1025.06	30.6	31.31	-1.64	1025.18
22.7	30.89	-1.60	1024.84	26.5	31.16	-1.62	1025.06	30.7	31.32	-1.64	1025.19
22.8	30.89	-1.60	1024.84	26.6	31.14	-1.63	1025.04	30.9	31.31	-1.65	1025.18
22.9	30.92	-1.61	1024.86	26.8	31.17	-1.63	1025.06	31.2	31.31	-1.65	1025.18
23.1	30.92	-1.61	1024.86	26.9	31.18	-1.63	1025.07	31.3	31.30	-1.64	1025.17
23.2	30.95	-1.61	1024.89	27.0	31.19	-1.63	1025.08	31.4	31.31	-1.64	1025.18
23.3	30.96	-1.61	1024.89	27.1	31.18	-1.63	1025.07	31.6	31.32	-1.65	1025.19
23.4	30.98	-1.61	1024.91	27.2	31.18	-1.63	1025.07	31.7	31.32	-1.65	1025.19
23.6	31.02	-1.62	1024.94	27.4	31.19	-1.63	1025.08	31.8	31.32	-1.65	1025.19
23.7	31.03	-1.62	1024.95	27.5	31.20	-1.63	1025.09	31.9	31.31	-1.65	1025.18
23.8	31.05	-1.62	1024.97	27.7	31.19	-1.63	1025.08	32.1	31.31	-1.65	1025.18
23.9	31.06	-1.62	1024.97	27.9	31.20	-1.63	1025.09	32.2	31.31	-1.64	1025.18
24.0	31.05	-1.62	1024.97	28.0	31.22	-1.63	1025.10	32.3	31.31	-1.65	1025.18
24.2	31.08	-1.62	1024.99	28.1	31.23	-1.64	1025.11	32.4	31.32	-1.65	1025.19
24.3	31.08	-1.62	1024.99	28.2	31.23	-1.64	1025.11	32.7	31.30	-1.64	1025.17
24.4	31.09	-1.62	1025.00	28.5	31.25	-1.64	1025.13	32.8	31.31	-1.65	1025.18
24.5	31.09	-1.62	1025.00	28.7	31.25	-1.64	1025.13	33.0	31.32	-1.65	1025.19
24.8	31.10	-1.62	1025.01	28.9	31.27	-1.64	1025.15	33.2	31.30	-1.64	1025.17
24.9	31.11	-1.62	1025.02	29.0	31.26	-1.64	1025.14	33.3	31.30	-1.64	1025.17
25.0	31.12	-1.62	1025.02	29.1	31.28	-1.64	1025.15	33.4	31.32	-1.65	1025.19
25.1	31.12	-1.62	1025.02	29.2	31.27	-1.64	1025.15	33.5	31.31	-1.65	1025.18
25.3	31.12	-1.62	1025.02	29.5	31.28	-1.64	1025.15	33.7	31.32	-1.65	1025.19
25.4	31.13	-1.62	1025.03	29.6	31.28	-1.65	1025.15	33.8	31.31	-1.65	1025.18
25.5	31.12	-1.62	1025.02	29.7	31.30	-1.65	1025.17	33.9	31.31	-1.65	1025.18
25.6	31.13	-1.62	1025.03	29.8	31.28	-1.64	1025.15	34.0	31.32	-1.65	1025.19
25.8	31.13	-1.63	1025.03	30.0	31.29	-1.65	1025.16	34.1	31.29	-1.64	1025.16
25.9	31.14	-1.62	1025.04	30.2	31.30	-1.64	1025.17	34.3	31.29	-1.65	1025.16
26.0	31.14	-1.63	1025.04	30.3	31.31	-1.64	1025.18				


Station: 84B09 Date: JUL 24
Sigma t
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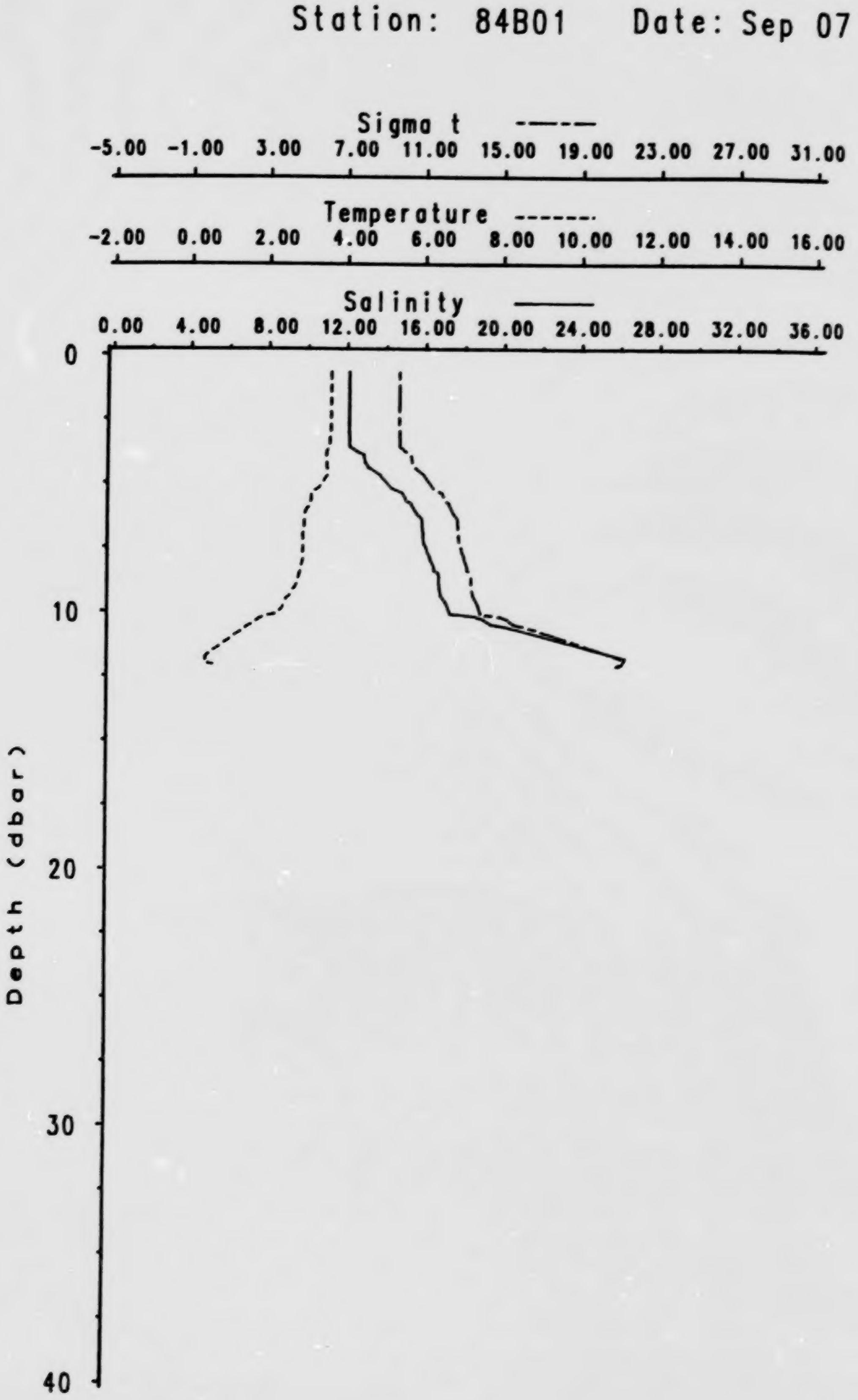
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.10. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84809, July 24, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	10.80	1.68	1008.62	4.7	11.42	1.59	1009.12	9.2	16.03	1.14	1012.82
1.2	10.83	1.73	1008.65	4.8	11.41	1.62	1009.11	9.4	15.71	1.15	1012.56
1.3	10.91	1.73	1008.71	5.1	11.41	1.64	1009.11	9.5	16.16	1.14	1012.92
1.5	11.09	1.70	1008.86	5.2	11.49	1.65	1009.18	9.6	16.90	1.07	1013.51
1.6	11.06	1.70	1008.83	5.8	11.78	1.64	1009.41	9.7	19.31	0.64	1015.45
1.7	10.97	1.72	1008.76	6.0	11.89	1.65	1009.50	10.0	24.93	-0.30	1019.99
1.9	11.05	1.71	1008.82	6.2	12.06	1.66	1009.63	10.1	27.29	-1.14	1021.91
2.0	11.13	1.66	1008.89	6.3	12.09	1.66	1009.66	10.2	29.25	-1.30	1023.50
2.1	11.14	1.64	1008.90	6.4	12.10	1.66	1009.66	10.3	29.39	-1.30	1023.61
2.2	11.17	1.65	1008.92	6.5	12.40	1.63	1009.90	10.5	29.40	-1.32	1023.62
2.4	11.17	1.66	1008.92	6.7	13.08	1.54	1010.45	10.6	29.46	-1.33	1023.67
2.5	11.15	1.68	1008.90	6.8	13.43	1.37	1010.73	10.7	29.52	-1.35	1023.72
2.6	11.12	1.70	1008.88	6.9	13.46	1.33	1010.75	10.9	29.56	-1.36	1023.75
2.7	11.11	1.68	1008.87	7.0	13.57	1.25	1010.84	11.5	29.72	-1.41	1023.88
2.8	11.06	1.68	1008.83	7.3	13.62	1.18	1010.88	11.6	29.72	-1.41	1023.88
3.0	11.09	1.68	1008.86	7.4	13.77	1.15	1011.00	11.7	29.80	-1.42	1023.95
3.1	11.08	1.65	1008.85	7.5	13.92	1.15	1011.12	11.8	29.83	-1.44	1023.97
3.2	11.14	1.59	1008.90	7.7	14.00	1.16	1011.19	12.0	29.85	-1.44	1023.99
3.3	11.19	1.56	1008.94	7.8	14.00	1.17	1011.19	12.1	29.83	-1.44	1023.97
3.5	11.24	1.51	1008.98	7.9	13.99	1.16	1011.18	12.2	29.84	-1.43	1023.98
3.6	11.21	1.52	1008.95	8.0	14.08	1.14	1011.25	12.3	29.84	-1.42	1023.98
3.7	11.18	1.53	1008.93	8.1	14.10	1.17	1011.27	12.6	29.82	-1.42	1023.96
3.8	11.22	1.52	1008.96	8.3	14.16	1.19	1011.32	12.7	29.82	-1.43	1023.97
3.9	11.25	1.52	1008.98	8.4	14.32	1.19	1011.44	12.8	29.81	-1.44	1023.96
4.1	11.26	1.53	1008.99	8.5	14.40	1.17	1011.51	12.9	29.80	-1.45	1023.95
4.2	11.21	1.53	1008.95	8.6	14.63	1.15	1011.69	13.1	29.76	-1.45	1023.92
4.3	11.22	1.54	1008.96	8.9	14.71	1.12	1011.76	13.3	29.62	-1.45	1023.80
4.4	11.27	1.55	1009.00	9.0	15.05	1.12	1012.03	13.4	29.62	-1.45	1023.80
4.6	11.32	1.55	1009.04	9.1	15.20	1.13	1012.15				


Station: 84B01 Date: Sep 07
Sigma t
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Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.11. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84801, September 7, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.7	11.88	3.48	1009.46	3.9	12.65	3.37	1010.07	7.7	15.93	2.78	1012.70
1.0	11.88	3.48	1009.46	4.1	12.69	3.38	1010.10	7.8	16.01	2.78	1012.77
1.1	11.88	3.47	1009.46	4.2	12.72	3.38	1010.13	7.9	16.07	2.79	1012.81
1.2	11.88	3.48	1009.46	4.4	12.89	3.40	1010.26	8.0	16.09	2.79	1012.83
1.3	11.88	3.48	1009.46	4.7	13.48	3.40	1010.73	8.1	16.17	2.77	1012.89
1.5	11.88	3.48	1009.46	5.2	14.06	3.18	1011.20	8.3	16.28	2.73	1012.98
1.6	11.88	3.48	1009.46	5.4	14.63	2.99	1011.66	8.4	16.29	2.73	1012.99
1.7	11.88	3.48	1009.46	5.6	14.78	2.98	1011.78	8.5	16.48	2.70	1013.14
1.9	11.88	3.48	1009.46	5.7	14.83	2.98	1011.82	8.6	16.53	2.69	1013.18
2.0	11.88	3.48	1009.46	5.8	15.08	2.96	1012.02	8.9	16.55	2.64	1013.20
2.1	11.88	3.48	1009.46	5.9	15.12	2.94	1012.05	9.1	16.57	2.58	1013.22
2.2	11.88	3.48	1009.46	6.0	15.21	2.88	1012.12	9.2	16.60	2.49	1013.24
2.4	11.88	3.48	1009.46	6.2	15.37	2.83	1012.25	9.4	16.65	2.45	1013.29
2.5	11.88	3.48	1009.46	6.3	15.50	2.82	1012.36	9.5	16.74	2.38	1013.36
2.6	11.88	3.48	1009.46	6.4	15.63	2.81	1012.46	9.6	16.84	2.33	1013.44
2.7	11.89	3.48	1009.46	6.5	15.65	2.81	1012.48	9.7	16.92	2.30	1013.51
2.8	11.89	3.48	1009.46	6.7	15.66	2.81	1012.49	9.9	17.02	2.26	1013.59
3.0	11.91	3.47	1009.48	6.8	15.68	2.80	1012.50	10.1	17.13	2.13	1013.68
3.1	11.91	3.46	1009.48	6.9	15.69	2.80	1012.51	10.2	18.41	1.82	1014.71
3.2	11.92	3.45	1009.49	7.0	15.72	2.77	1012.53	10.3	18.82	1.68	1015.04
3.3	11.93	3.46	1009.50	7.1	15.70	2.79	1012.52	10.5	19.20	1.51	1015.35
3.6	11.94	3.44	1009.51	7.3	15.74	2.79	1012.55	10.6	20.05	1.38	1016.03
3.7	12.13	3.40	1009.66	7.4	15.77	2.78	1012.57	11.7	25.63	0.36	1020.54
3.8	12.32	3.37	1009.81	7.5	15.86	2.78	1012.65	11.8	26.12	0.30	1020.94

Station: 84B02 Date: Sep 07

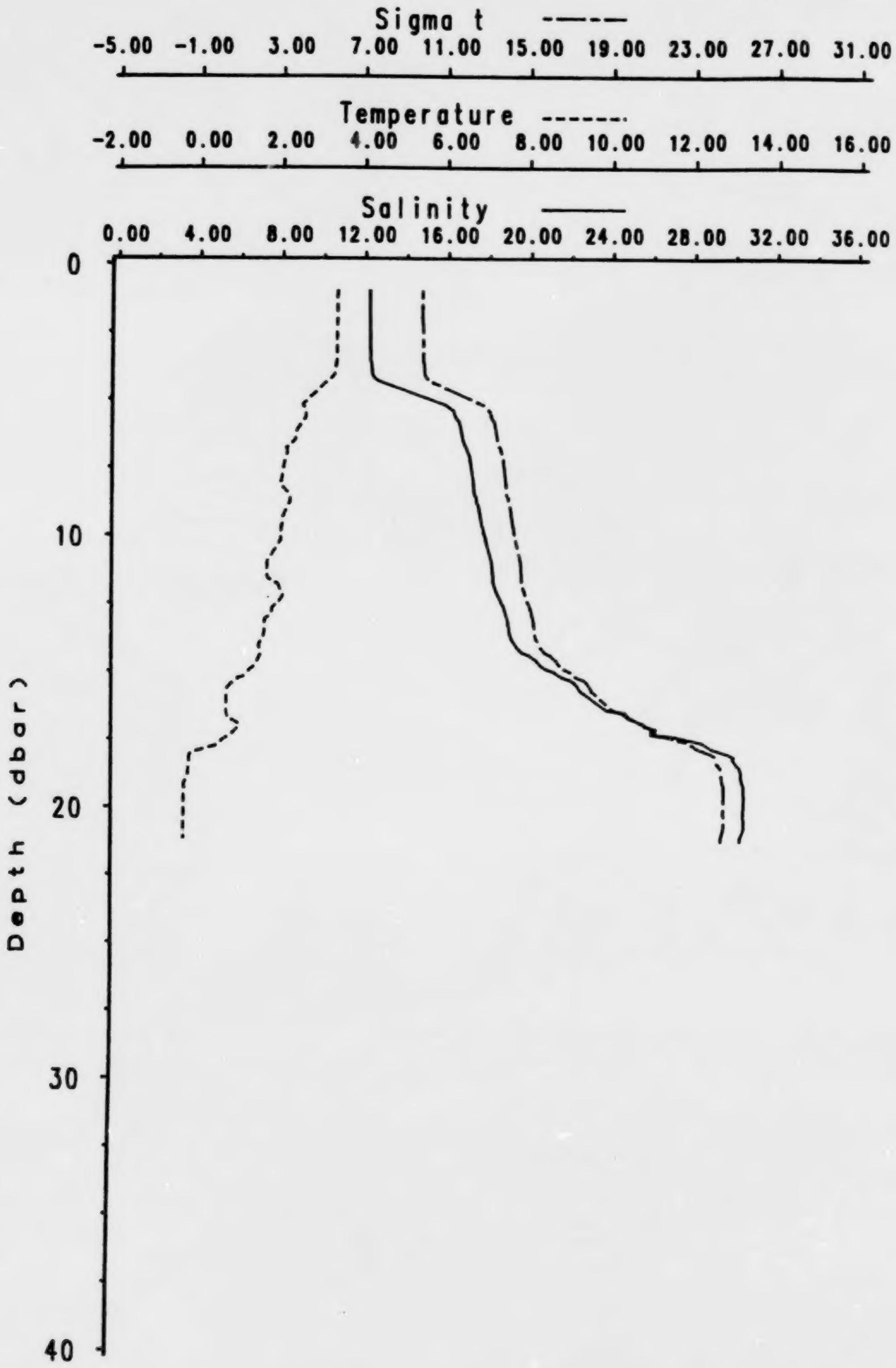

Table A1.12. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84B02, September 7, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.0	11.98	3.21	1009.54	8.4	17.08	2.01	1013.64	15.2	21.40	1.00	1017.12
1.1	11.98	3.21	1009.54	8.5	17.10	2.10	1013.65	15.3	21.80	0.85	1017.45
1.2	11.99	3.20	1009.55	8.6	17.19	2.10	1013.73	15.4	22.00	0.77	1017.61
1.3	11.98	3.21	1009.54	8.8	17.22	2.10	1013.75	15.5	22.13	0.68	1017.72
1.5	11.98	3.21	1009.54	8.9	17.29	2.03	1013.81	15.7	22.30	0.58	1017.86
1.6	11.98	3.20	1009.54	9.0	17.33	1.99	1013.84	16.4	23.57	0.57	1018.88
1.7	11.98	3.21	1009.54	9.1	17.34	1.99	1013.85	16.5	24.35	0.57	1019.50
1.9	11.98	3.21	1009.54	9.4	17.42	1.90	1013.92	16.7	24.66	0.61	1019.75
2.0	11.98	3.21	1009.54	9.6	17.46	1.90	1013.95	16.8	25.06	0.70	1020.07
2.1	11.99	3.20	1009.55	9.7	17.51	1.89	1013.99	16.9	25.39	0.82	1020.33
2.2	12.00	3.20	1009.56	9.9	17.56	1.87	1014.03	17.0	25.56	0.91	1020.47
2.4	12.01	3.20	1009.57	10.0	17.60	1.88	1014.06	17.1	25.99	0.86	1020.81
2.5	12.02	3.19	1009.58	10.1	17.66	1.87	1014.11	17.3	25.93	0.75	1020.77
2.6	12.02	3.20	1009.58	10.2	17.66	1.87	1014.11	17.4	27.03	0.65	1021.66
2.7	12.01	3.20	1009.57	11.0	17.96	1.54	1014.36	17.6	28.29	0.47	1022.68
2.8	12.02	3.20	1009.58	11.1	17.98	1.54	1014.37	17.8	28.70	0.30	1023.01
3.0	12.02	3.20	1009.58	11.4	18.00	1.54	1014.39	17.9	29.10	0.06	1023.34
3.1	12.02	3.19	1009.58	11.5	18.03	1.54	1014.41	18.0	29.56	-0.14	1023.72
3.2	12.04	3.19	1009.59	11.6	18.03	1.58	1014.41	18.1	29.83	-0.29	1023.94
3.3	12.03	3.20	1009.58	11.7	18.02	1.66	1014.40	18.2	29.78	-0.31	1023.90
3.5	12.04	3.20	1009.59	11.8	18.06	1.81	1014.43	18.4	29.98	-0.31	1024.07
3.6	12.05	3.19	1009.60	12.0	18.16	1.87	1014.51	18.5	30.12	-0.32	1024.18
3.7	12.09	3.18	1009.63	12.1	18.21	1.93	1014.55	18.6	30.17	-0.33	1024.22
3.9	12.12	3.16	1009.66	12.2	18.27	1.95	1014.59	18.7	30.20	-0.34	1024.25
4.1	12.15	3.14	1009.68	12.3	18.34	1.91	1014.65	18.9	30.21	-0.35	1024.25
4.2	12.23	3.08	1009.75	12.5	18.45	1.83	1014.74	19.0	30.23	-0.37	1024.27
4.3	12.39	2.99	1009.88	12.6	18.54	1.73	1014.82	19.1	30.29	-0.41	1024.32
5.2	15.71	2.38	1012.54	12.7	18.57	1.68	1014.84	19.2	30.34	-0.44	1024.36
5.4	16.05	2.47	1012.81	12.9	18.66	1.66	1014.91	19.3	30.34	-0.43	1024.36
5.6	16.14	2.46	1012.88	13.1	18.75	1.51	1014.99	19.5	30.35	-0.44	1024.37
5.7	16.21	2.45	1012.93	13.2	18.78	1.49	1015.01	19.6	30.35	-0.44	1024.37
5.8	16.33	2.38	1013.03	13.3	18.79	1.49	1015.02	19.7	30.35	-0.44	1024.37
6.0	16.39	2.31	1013.08	13.4	18.83	1.49	1015.05	19.9	30.35	-0.44	1024.37
6.2	16.44	2.23	1013.12	13.6	18.85	1.49	1015.07	20.0	30.34	-0.43	1024.36
6.3	16.47	2.20	1013.15	13.8	18.93	1.45	1015.13	20.1	30.30	-0.44	1024.33
6.5	16.52	2.21	1013.19	13.9	19.03	1.40	1015.22	20.2	30.32	-0.44	1024.35
6.7	16.63	2.09	1013.28	14.1	19.20	1.35	1015.35	20.4	30.35	-0.45	1024.37
6.8	16.71	1.99	1013.35	14.2	19.33	1.39	1015.46	20.5	30.36	-0.44	1024.38
6.9	16.73	2.02	1013.36	14.3	19.45	1.40	1015.55	20.7	30.36	-0.45	1024.38
7.0	16.80	2.01	1013.42	14.4	19.80	1.41	1015.83	20.8	30.32	-0.44	1024.35
7.1	16.86	1.98	1013.47	14.6	20.16	1.34	1016.12	21.0	30.20	-0.44	1024.25
7.3	16.89	1.95	1013.49	14.8	20.39	1.26	1016.31	21.1	30.16	-0.44	1024.22
8.1	17.05	1.86	1013.62	14.9	20.62	1.20	1016.49	21.2	30.15	-0.44	1024.21
8.3	17.07	1.94	1013.63	15.0	20.99	1.13	1016.79				

Station: 84B03 Date: Sep 08

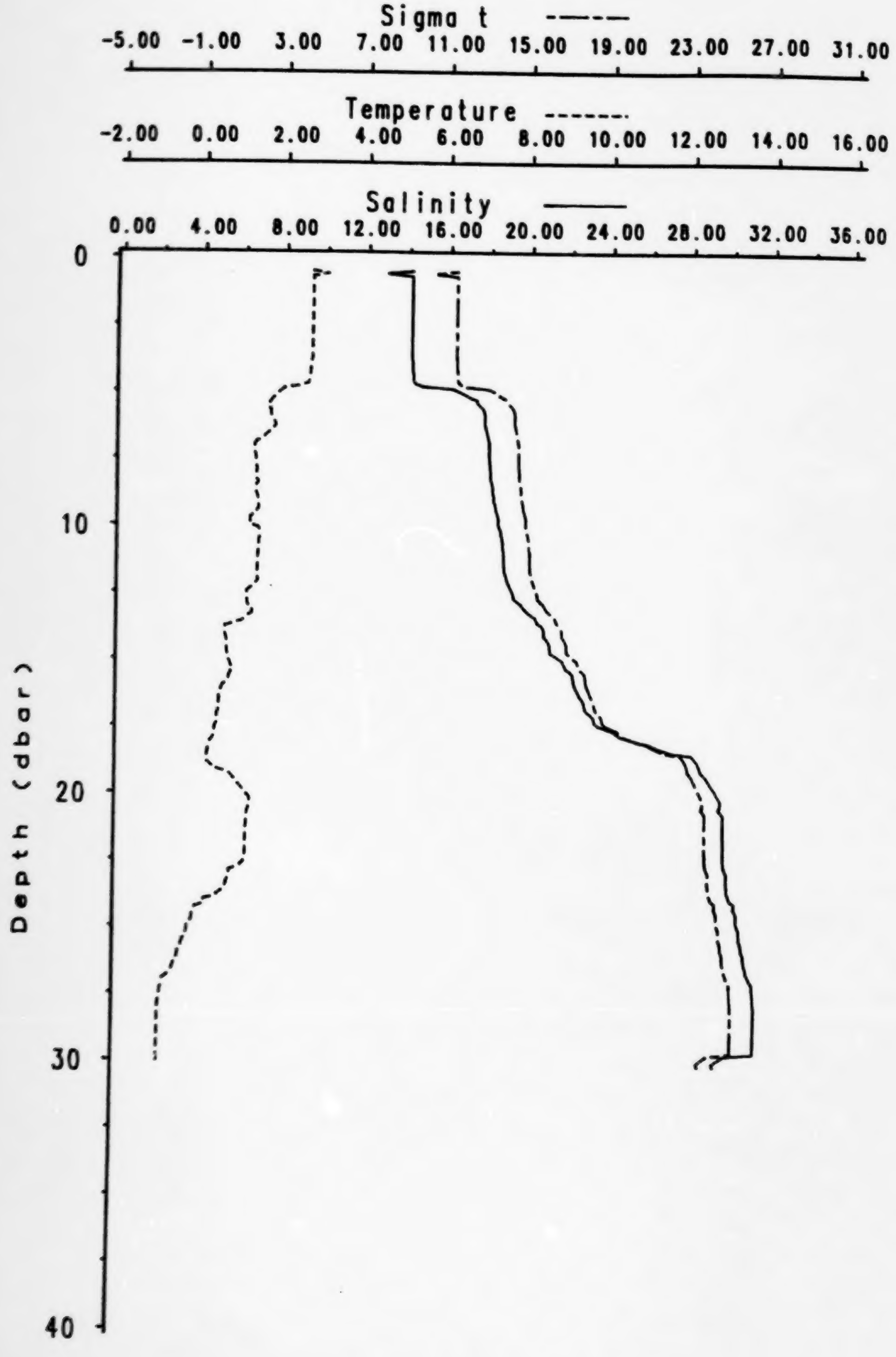

Table A1.13. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84803, September 8, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.5	13.95	2.54	1011.13	7.4	17.82	1.17	1014.25	13.9	20.61	0.44	1016.50
0.6	12.76	2.92	1010.17	7.5	17.83	1.18	1014.26	14.1	20.62	0.47	1016.51
0.7	13.95	2.54	1011.13	7.7	17.85	1.19	1014.27	14.2	20.74	0.49	1016.60
0.9	13.95	2.53	1011.13	7.8	17.86	1.20	1014.28	14.4	20.90	0.51	1016.73
1.0	13.95	2.54	1011.13	7.9	17.87	1.21	1014.29	14.7	20.94	0.51	1016.76
1.1	13.95	2.53	1011.13	8.0	17.89	1.20	1014.31	15.0	21.53	0.55	1017.24
1.3	13.96	2.53	1011.14	8.1	17.89	1.19	1014.31	15.3	21.73	0.63	1017.40
1.5	13.95	2.54	1011.13	8.3	17.91	1.20	1014.32	15.4	21.91	0.68	1017.54
1.6	13.95	2.54	1011.13	8.4	17.95	1.25	1014.35	15.5	22.04	0.61	1017.65
1.7	13.95	2.53	1011.13	8.6	18.00	1.16	1014.39	15.8	22.12	0.54	1017.71
1.9	13.96	2.54	1011.14	8.8	18.02	1.19	1014.41	15.9	22.16	0.48	1017.75
2.0	13.95	2.54	1011.13	8.9	18.05	1.22	1014.43	16.0	22.21	0.42	1017.79
2.1	13.95	2.53	1011.13	9.0	18.07	1.24	1014.45	16.1	22.29	0.39	1017.85
2.4	13.96	2.53	1011.14	9.1	18.07	1.26	1014.45	16.3	22.41	0.35	1017.95
2.5	13.96	2.53	1011.14	9.2	18.13	1.26	1014.50	16.4	22.51	0.33	1018.03
2.6	13.96	2.53	1011.14	9.4	18.17	1.26	1014.53	16.5	22.60	0.33	1018.10
2.7	13.95	2.53	1011.13	9.6	18.25	1.16	1014.60	16.8	22.71	0.33	1018.19
2.8	13.95	2.53	1011.13	9.7	18.30	1.05	1014.64	16.9	22.80	0.33	1018.26
3.0	13.95	2.53	1011.13	10.0	18.31	1.07	1014.64	17.0	22.96	0.30	1018.39
3.1	13.95	2.53	1011.13	10.1	18.37	1.24	1014.69	17.1	23.10	0.28	1018.51
3.3	13.96	2.53	1011.14	10.2	18.42	1.30	1014.73	17.3	23.17	0.28	1018.56
3.6	13.96	2.53	1011.14	10.3	18.42	1.30	1014.73	17.4	23.32	0.28	1018.68
3.7	13.96	2.53	1011.14	10.5	18.49	1.29	1014.79	17.5	23.69	0.25	1018.98
3.8	13.97	2.53	1011.15	10.6	18.52	1.27	1014.81	17.6	24.06	0.23	1019.28
3.9	14.00	2.50	1011.17	10.9	18.55	1.26	1014.83	17.8	24.43	0.23	1019.58
4.2	14.02	2.49	1011.19	11.0	18.58	1.25	1014.86	17.9	24.84	0.21	1019.91
4.3	14.03	2.48	1011.20	11.1	18.58	1.25	1014.86	18.0	25.32	0.18	1020.29
4.4	14.05	2.48	1011.21	11.2	18.59	1.24	1014.87	18.1	25.93	0.13	1020.79
4.6	14.06	2.47	1011.22	11.4	18.60	1.24	1014.87	18.2	26.20	0.11	1021.01
4.7	14.15	2.44	1011.29	11.5	18.61	1.24	1014.88	18.4	26.95	0.08	1021.61
4.8	14.48	2.27	1011.56	11.6	18.60	1.24	1014.87	18.5	27.99	0.07	1022.45
4.9	16.01	1.85	1012.79	11.7	18.62	1.24	1014.89	18.7	28.22	0.05	1022.63
5.2	16.83	1.64	1013.45	11.8	18.67	1.24	1014.93	18.9	28.36	0.09	1022.75
5.3	17.15	1.57	1013.71	12.1	18.79	1.26	1015.03	19.1	28.45	0.24	1022.81
5.4	17.18	1.52	1013.73	12.5	19.05	0.98	1015.24	19.2	28.57	0.46	1022.90
5.6	17.44	1.46	1013.94	12.6	19.09	1.01	1015.27	19.3	28.70	0.63	1023.00
5.7	17.52	1.53	1014.00	12.7	19.10	1.02	1015.28	20.2	29.46	1.14	1023.59
5.9	17.57	1.54	1014.04	12.8	19.26	1.00	1015.41	20.4	29.41	1.12	1023.55
6.2	17.57	1.65	1014.04	12.9	19.44	0.99	1015.55	20.5	29.34	1.11	1023.49
6.3	17.60	1.66	1014.07	13.1	19.64	1.05	1015.71	20.6	29.47	1.11	1023.60
6.7	17.74	1.39	1014.18	13.2	19.78	1.13	1015.82	20.7	29.58	1.08	1023.69
6.8	17.77	1.31	1014.21	13.3	19.96	1.12	1015.97	20.8	29.58	1.07	1023.69
6.9	17.80	1.19	1014.23	13.4	20.16	1.02	1016.13	21.1	29.60	1.06	1023.70
7.0	17.82	1.14	1014.25	13.6	20.28	0.87	1016.23	21.2	29.59	1.06	1023.69
7.1	17.82	1.14	1014.25	13.7	20.48	0.62	1016.39	21.3	29.60	1.05	1023.70
7.3	17.82	1.15	1014.25	13.8	20.57	0.46	1016.47	21.5	29.59	1.05	1023.69

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Table A1.13. Station 84B03 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.6	29.61	1.04	1023.71	24.2	30.16	-0.01	1024.20	27.9	31.22	-1.06	1025.09
21.7	29.60	1.05	1023.70	24.3	30.23	-0.17	1024.26	28.0	31.22	-1.06	1025.09
21.8	29.61	1.04	1023.71	24.4	30.30	-0.24	1024.32	28.1	31.22	-1.06	1025.09
21.9	29.61	1.05	1023.71	24.8	30.33	-0.27	1024.35	28.2	31.23	-1.07	1025.10
22.1	29.60	1.05	1023.70	24.9	30.38	-0.31	1024.39	28.3	31.23	-1.07	1025.10
22.2	29.61	1.05	1023.71	25.0	30.44	-0.37	1024.44	28.5	31.21	-1.06	1025.08
22.3	29.62	1.04	1023.72	25.3	30.47	-0.39	1024.46	28.6	31.22	-1.07	1025.09
22.6	29.64	1.00	1023.74	25.4	30.48	-0.42	1024.47	28.9	31.22	-1.07	1025.09
22.7	29.67	0.93	1023.77	25.5	30.53	-0.47	1024.52	29.0	31.22	-1.06	1025.09
22.8	29.73	0.79	1023.82	25.8	30.59	-0.53	1024.57	29.1	31.22	-1.07	1025.09
22.9	29.80	0.66	1023.88	25.9	30.67	-0.58	1024.63	29.2	31.22	-1.07	1025.09
23.1	29.79	0.64	1023.88	26.0	30.69	-0.59	1024.65	29.4	31.23	-1.07	1025.10
23.2	29.77	0.62	1023.86	26.1	30.68	-0.59	1024.64	29.5	31.23	-1.07	1025.10
23.4	29.81	0.58	1023.89	26.3	30.73	-0.64	1024.68	29.6	31.23	-1.07	1025.10
23.6	29.84	0.52	1023.92	26.4	30.78	-0.68	1024.72	29.7	29.74	-1.07	1023.89
23.8	29.92	0.37	1023.99	26.6	30.83	-0.72	1024.77	30.0	29.19	-1.07	1023.45
23.9	29.98	0.26	1024.05	26.9	31.01	-0.87	1024.92	30.1	29.25	-1.06	1023.50
24.0	30.18	0.04	1024.22	27.0	31.12	-0.97	1025.01				

Station: 84B04 Date: Sep 08

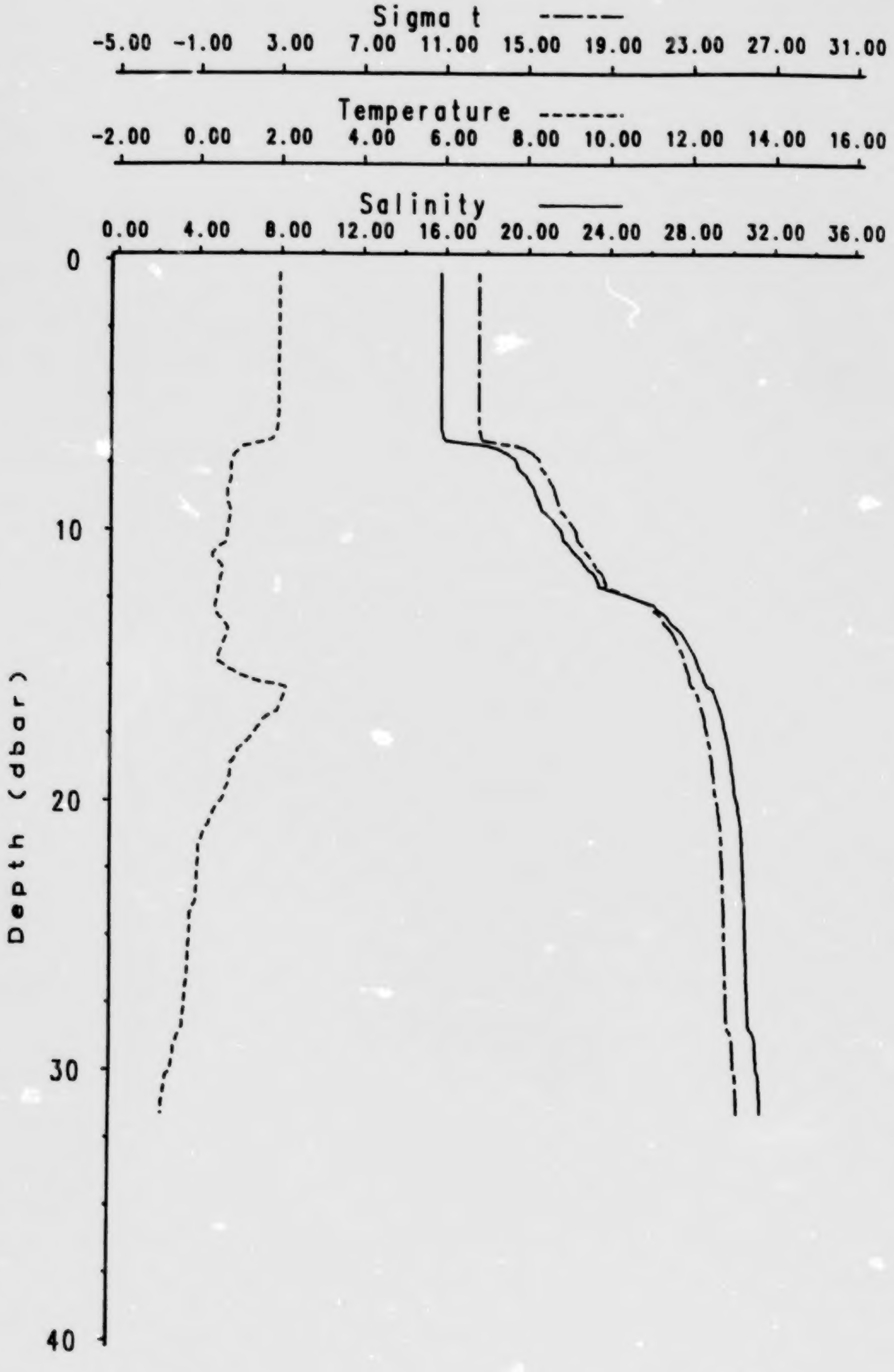

Table A1.14. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84B04, September 8, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.6	15.63	1.89	1012.49	7.8	19.40	0.70	1015.52	14.9	28.14	0.36	1022.56
0.7	15.63	1.89	1012.49	7.9	19.48	0.71	1015.59	15.0	28.17	0.46	1022.58
0.9	15.63	1.89	1012.49	8.0	19.62	0.72	1015.70	15.2	28.28	0.64	1022.66
1.0	15.63	1.89	1012.49	8.1	19.78	0.71	1015.83	15.3	28.33	0.77	1022.70
1.1	15.63	1.89	1012.49	8.3	19.92	0.69	1015.94	15.4	28.43	0.87	1022.77
1.2	15.63	1.89	1012.49	8.4	20.01	0.67	1016.02	15.5	28.49	1.04	1022.81
1.3	15.63	1.89	1012.49	8.5	20.11	0.64	1016.10	15.7	28.55	1.42	1022.84
1.5	15.62	1.89	1012.48	8.6	20.18	0.62	1016.15	15.8	28.62	1.85	1022.87
1.6	15.64	1.89	1012.49	8.8	20.26	0.62	1016.22	15.9	28.71	2.06	1022.93
1.7	15.63	1.89	1012.49	8.9	20.33	0.62	1016.27	16.0	28.95	2.06	1023.12
2.0	15.63	1.89	1012.49	9.0	20.37	0.63	1016.30	16.8	29.34	1.84	1023.45
2.2	15.63	1.89	1012.49	9.1	20.43	0.65	1016.35	16.9	29.38	1.69	1023.49
2.4	15.63	1.89	1012.49	9.2	20.47	0.67	1016.38	17.0	29.41	1.59	1023.52
2.5	15.63	1.89	1012.49	9.4	20.57	0.71	1016.46	17.1	29.46	1.51	1023.57
2.6	15.63	1.89	1012.49	9.5	20.76	0.69	1016.62	17.3	29.50	1.43	1023.60
2.7	15.63	1.89	1012.49	9.6	20.87	0.69	1016.71	17.4	29.52	1.36	1023.62
3.0	15.63	1.88	1012.49	9.7	21.04	0.67	1016.84	17.5	29.55	1.32	1023.65
3.1	15.64	1.88	1012.49	9.9	21.23	0.65	1017.00	17.6	29.59	1.26	1023.68
3.2	15.64	1.88	1012.49	10.0	21.35	0.63	1017.09	17.8	29.65	1.17	1023.74
3.3	15.64	1.88	1012.49	10.1	21.46	0.62	1017.18	18.0	29.71	1.06	1023.79
3.5	15.64	1.87	1012.49	10.2	21.54	0.61	1017.25	18.1	29.74	0.97	1023.82
3.6	15.64	1.88	1012.49	10.3	21.56	0.61	1017.26	18.2	29.76	0.89	1023.84
3.8	15.64	1.88	1012.49	10.5	21.62	0.60	1017.31	18.4	29.80	0.85	1023.87
3.9	15.64	1.87	1012.49	10.6	21.76	0.55	1017.42	18.5	29.82	0.81	1023.89
4.1	15.64	1.88	1012.49	10.7	21.90	0.44	1017.54	18.6	29.84	0.77	1023.91
4.2	15.64	1.88	1012.49	10.9	22.08	0.29	1017.68	18.7	29.88	0.72	1023.94
4.3	15.64	1.88	1012.49	11.0	22.22	0.25	1017.80	18.9	29.90	0.71	1023.96
5.1	15.64	1.87	1012.49	11.1	22.33	0.27	1017.89	19.0	29.91	0.69	1023.97
5.3	15.64	1.87	1012.49	11.2	22.48	0.37	1018.01	19.1	29.92	0.69	1023.98
5.4	15.64	1.88	1012.49	11.4	22.65	0.48	1018.14	19.2	29.95	0.68	1024.00
5.7	15.64	1.88	1012.49	11.6	22.85	0.53	1018.30	19.3	29.98	0.66	1024.03
5.8	15.64	1.87	1012.49	11.7	23.07	0.49	1018.48	19.5	29.99	0.64	1024.04
5.9	15.64	1.86	1012.49	11.8	23.17	0.46	1018.56	19.6	30.02	0.61	1024.06
6.0	15.64	1.87	1012.49	12.0	23.28	0.44	1018.65	19.7	30.02	0.57	1024.06
6.2	15.66	1.85	1012.51	12.1	23.35	0.41	1018.70	19.9	30.05	0.55	1024.09
6.3	15.65	1.84	1012.50	12.2	23.35	0.41	1018.70	20.0	30.07	0.52	1024.11
6.4	15.67	1.83	1012.52	12.9	26.05	0.32	1020.88	20.1	30.12	0.48	1024.15
6.5	15.71	1.77	1012.55	13.1	26.27	0.35	1021.05	20.2	30.16	0.41	1024.18
6.7	15.77	1.74	1012.60	13.2	26.50	0.38	1021.24	20.4	30.21	0.32	1024.23
6.8	15.89	1.63	1012.70	13.3	26.65	0.42	1021.36	20.6	30.23	0.26	1024.25
6.9	16.82	1.29	1013.45	13.4	26.75	0.52	1021.44	20.7	30.27	0.22	1024.28
7.0	17.92	1.02	1014.33	13.6	26.93	0.60	1021.58	21.0	30.32	0.16	1024.32
7.1	18.39	0.92	1014.71	13.7	27.10	0.64	1021.71	21.1	30.36	0.09	1024.36
7.3	18.89	0.80	1015.11	13.8	27.24	0.63	1021.83	21.2	30.36	0.07	1024.36
7.5	19.25	0.71	1015.40	13.9	27.40	0.62	1021.95	21.3	30.37	0.04	1024.37
7.7	19.38	0.71	1015.51	14.8	28.11	0.38	1022.53	21.5	30.39	0.00	1024.39

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Table A1.14. Station 84B04 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.6	30.40	-0.04	1024.40	24.9	30.56	-0.29	1024.53	28.5	30.73	-0.47	1024.68
21.7	30.41	-0.08	1024.41	25.0	30.57	-0.29	1024.54	28.6	30.77	-0.51	1024.71
21.8	30.41	-0.08	1024.41	25.1	30.57	-0.30	1024.54	28.7	30.89	-0.55	1024.81
21.9	30.39	-0.07	1024.39	25.3	30.57	-0.30	1024.54	28.9	30.99	-0.59	1024.89
22.1	30.39	-0.06	1024.39	25.4	30.57	-0.31	1024.54	29.1	31.04	-0.65	1024.93
22.2	30.42	-0.06	1024.41	25.5	30.57	-0.32	1024.54	29.2	31.05	-0.68	1024.94
22.3	30.44	-0.08	1024.43	25.6	30.58	-0.32	1024.55	29.4	31.06	-0.68	1024.95
22.4	30.44	-0.09	1024.43	25.8	30.60	-0.33	1024.57	29.5	31.07	-0.69	1024.96
22.6	30.45	-0.09	1024.44	26.0	30.60	-0.33	1024.57	29.6	31.07	-0.70	1024.96
22.7	30.45	-0.09	1024.44	26.1	30.60	-0.34	1024.57	29.8	31.09	-0.72	1024.98
22.8	30.47	-0.11	1024.45	26.3	30.63	-0.34	1024.59	30.0	31.07	-0.74	1024.96
22.9	30.47	-0.11	1024.45	26.4	30.61	-0.35	1024.58	30.1	31.10	-0.75	1024.99
23.1	30.47	-0.12	1024.46	26.5	30.61	-0.35	1024.58	30.2	31.14	-0.80	1025.02
23.2	30.48	-0.12	1024.46	26.6	30.62	-0.35	1024.58	30.3	31.20	-0.86	1025.07
23.3	30.49	-0.12	1024.47	26.8	30.63	-0.36	1024.59	30.5	31.23	-0.89	1025.10
23.4	30.49	-0.13	1024.47	26.9	30.64	-0.37	1024.60	30.6	31.23	-0.90	1025.10
23.6	30.49	-0.13	1024.47	27.0	30.65	-0.38	1024.61	30.7	31.24	-0.90	1025.10
23.7	30.50	-0.14	1024.48	27.1	30.66	-0.39	1024.62	30.8	31.24	-0.91	1025.10
23.8	30.51	-0.14	1024.49	27.2	30.67	-0.40	1024.63	30.9	31.25	-0.92	1025.11
23.9	30.52	-0.16	1024.50	27.4	30.67	-0.40	1024.63	31.1	31.27	-0.94	1025.13
24.0	30.55	-0.20	1024.52	27.5	30.67	-0.41	1024.63	31.2	31.28	-0.95	1025.14
24.2	30.56	-0.24	1024.53	27.7	30.69	-0.41	1024.64	31.3	31.28	-0.97	1025.14
24.3	30.55	-0.29	1024.53	27.9	30.70	-0.43	1024.65	31.4	31.29	-0.97	1025.15
24.4	30.53	-0.29	1024.51	28.0	30.70	-0.44	1024.65	31.6	31.27	-0.97	1025.13
24.5	30.54	-0.28	1024.52	28.1	30.71	-0.44	1024.66	31.7	31.26	-0.97	1025.12
24.7	30.54	-0.27	1024.52	28.2	30.71	-0.44	1024.66				
24.8	30.54	-0.28	1024.52	28.3	30.71	-0.46	1024.66				

Station: 84B05 Date: Sep 09

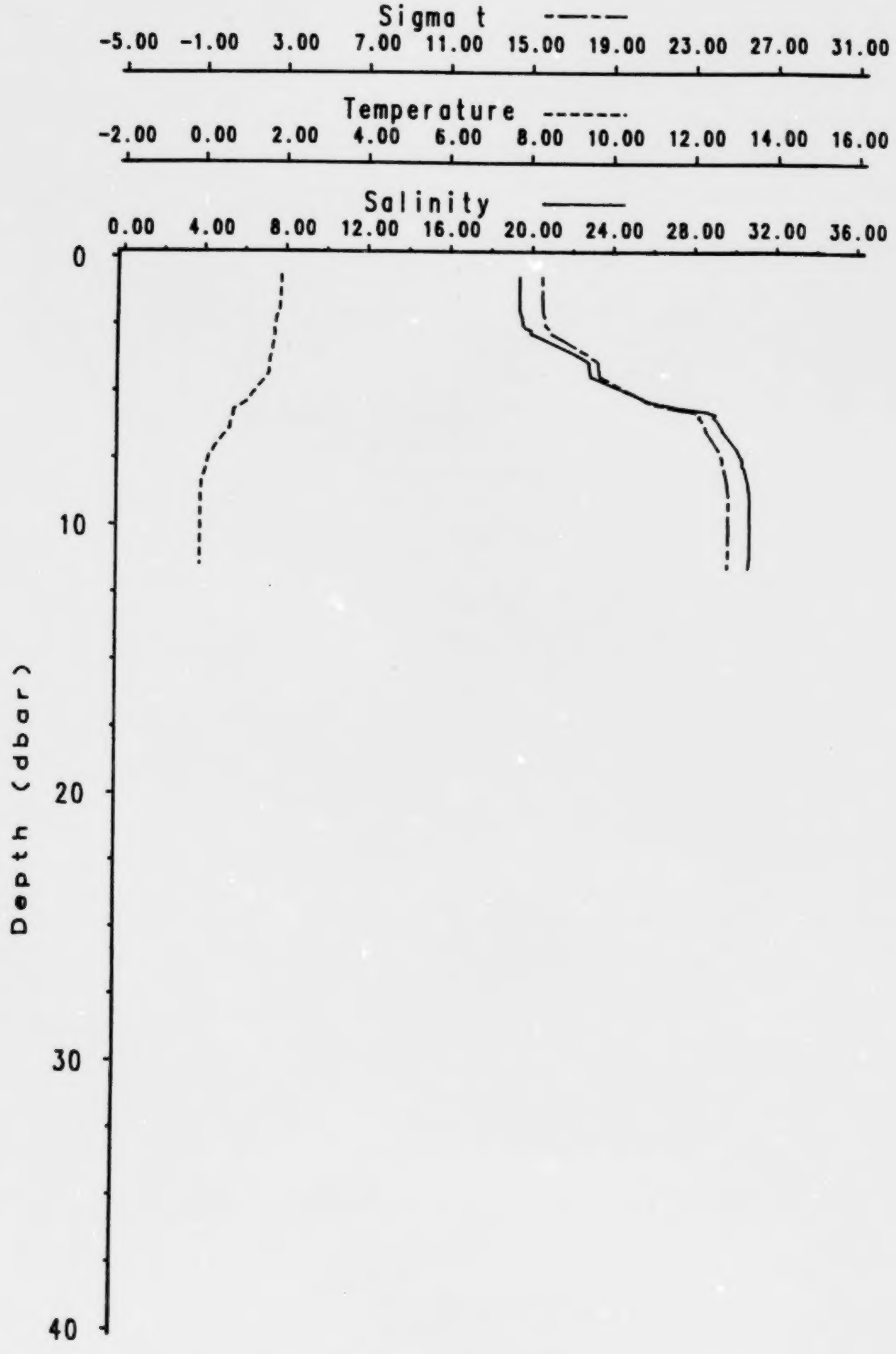

Table A1.15. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84B05, September 9, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.7	19.19	1.78	1015.33	5.3	25.53	1.02	1020.44	8.8	30.62	-0.15	1024.58
0.9	19.19	1.78	1015.33	5.4	26.01	0.97	1020.82	9.0	30.64	-0.16	1024.59
1.0	19.19	1.78	1015.33	5.6	27.49	0.78	1022.02	9.1	30.63	-0.15	1024.59
1.1	19.19	1.77	1015.33	5.7	28.54	0.64	1022.87	9.2	30.63	-0.16	1024.59
1.5	19.20	1.76	1015.34	5.8	28.91	0.63	1023.17	9.4	30.63	-0.16	1024.59
1.6	19.21	1.76	1015.35	5.9	28.80	0.63	1023.08	9.5	30.61	-0.16	1024.57
1.9	19.23	1.74	1015.37	6.0	28.96	0.60	1023.21	9.6	30.63	-0.16	1024.59
2.0	19.24	1.74	1015.37	6.2	29.13	0.56	1023.35	9.7	30.61	-0.15	1024.57
2.1	19.27	1.71	1015.40	6.3	29.23	0.55	1023.43	9.9	30.65	-0.16	1024.60
2.2	19.33	1.68	1015.45	6.4	29.26	0.54	1023.45	10.0	30.65	-0.16	1024.60
2.5	19.39	1.64	1015.50	7.1	29.99	0.18	1024.06	10.2	30.63	-0.16	1024.59
2.6	19.52	1.62	1015.60	7.3	30.10	0.12	1024.15	10.3	30.65	-0.16	1024.60
2.7	19.79	1.62	1015.82	7.4	30.21	0.04	1024.24	10.5	30.63	-0.16	1024.59
2.8	19.76	1.64	1015.79	7.5	30.23	0.03	1024.26	10.6	30.63	-0.16	1024.59
3.6	22.05	1.56	1017.63	7.7	30.23	-0.01	1024.26	10.7	30.63	-0.16	1024.59
3.7	22.28	1.54	1017.81	7.8	30.36	-0.04	1024.36	10.9	30.65	-0.16	1024.60
3.8	22.53	1.52	1018.01	7.9	30.37	-0.04	1024.37	11.0	30.63	-0.16	1024.59
3.9	22.67	1.51	1018.13	8.0	30.41	-0.05	1024.40	11.1	30.65	-0.16	1024.60
4.1	22.69	1.51	1018.14	8.1	30.44	-0.07	1024.43	11.2	30.61	-0.15	1024.57
4.2	22.71	1.50	1018.16	8.3	30.51	-0.11	1024.49	11.4	30.58	-0.16	1024.55
4.3	22.74	1.50	1018.18	8.4	30.55	-0.14	1024.52	11.5	30.56	-0.16	1024.53
4.4	22.77	1.48	1018.21	8.5	30.55	-0.14	1024.52				
5.2	25.29	1.06	1020.24	8.6	30.57	-0.15	1024.54				

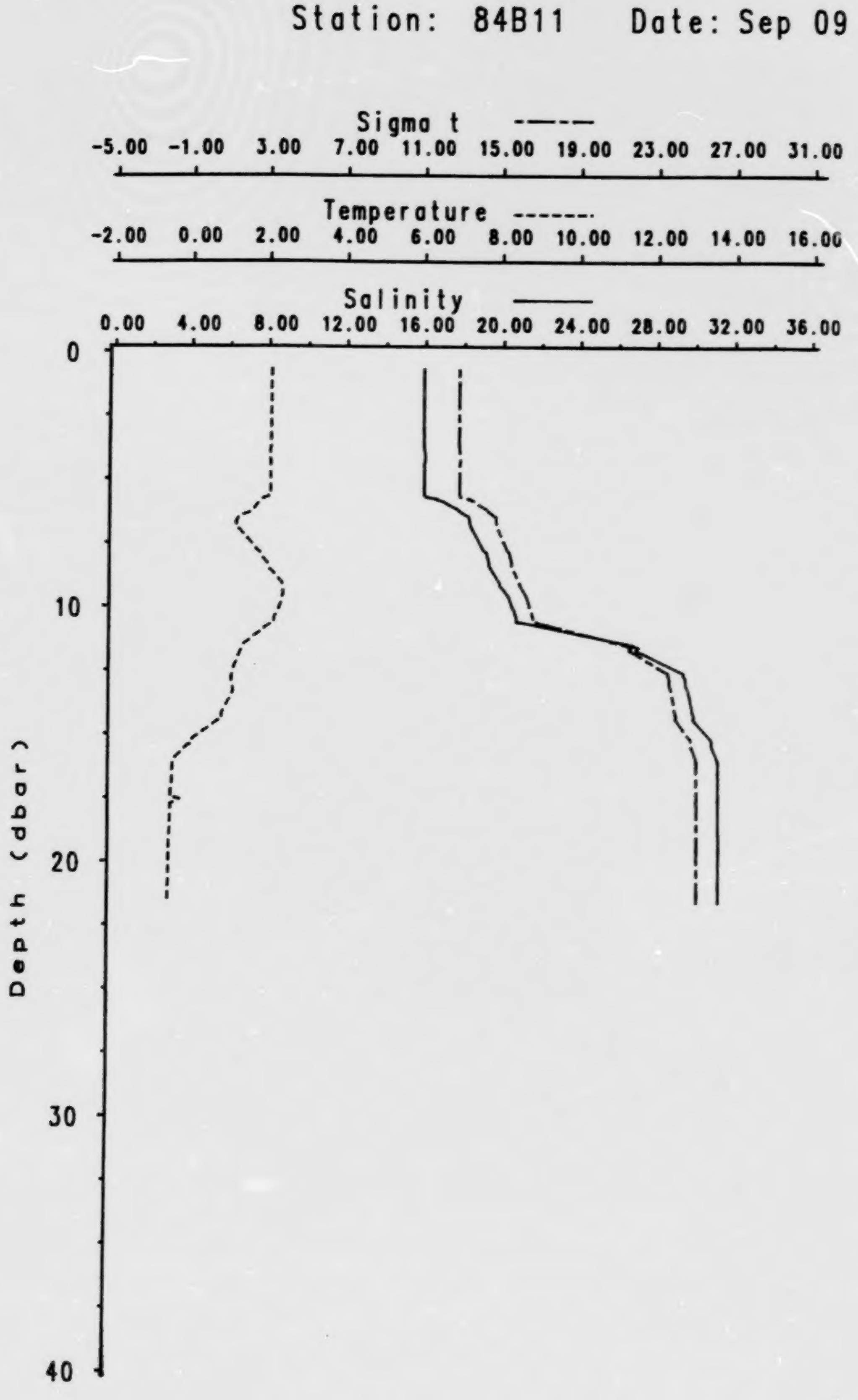
Station: 84B11 Date: Sep 09
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.16. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 84B11, September 9, 1984.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.7	15.69	1.93	1012.53	6.0	16.96	1.59	1013.55	15.2	30.67	-0.02	1024.61
1.0	15.68	1.92	1012.52	6.2	17.45	1.49	1013.95	15.3	30.72	-0.08	1024.66
1.1	15.69	1.93	1012.53	6.3	17.60	1.45	1014.07	15.4	30.68	-0.06	1024.62
1.2	15.70	1.92	1012.54	6.5	18.05	1.10	1014.44	15.5	30.73	-0.19	1024.67
1.3	15.69	1.92	1012.53	6.7	18.09	1.04	1014.47	16.0	31.01	-0.51	1024.91
1.5	15.69	1.92	1012.53	6.8	18.12	1.04	1014.49	16.1	31.04	-0.56	1024.93
1.7	15.68	1.93	1012.52	6.9	18.16	1.06	1014.52	16.3	31.04	-0.57	1024.93
1.9	15.69	1.92	1012.53	7.7	18.73	1.54	1014.97	16.4	31.03	-0.57	1024.92
2.0	15.69	1.92	1012.53	7.8	18.80	1.58	1015.03	16.5	31.04	-0.58	1024.93
2.1	15.69	1.93	1012.53	7.9	18.95	1.66	1015.15	16.7	31.06	-0.57	1024.95
2.2	15.70	1.93	1012.54	8.1	19.03	1.74	1015.21	16.9	31.03	-0.58	1024.92
2.4	15.69	1.92	1012.53	8.3	19.11	1.84	1015.27	17.3	31.07	-0.61	1024.96
2.5	15.69	1.93	1012.53	8.4	19.10	1.89	1015.26	17.4	31.05	-0.61	1024.94
2.6	15.68	1.92	1012.52	8.5	19.17	1.89	1015.31	17.5	31.05	-0.61	1024.94
2.7	15.69	1.93	1012.53	9.1	19.66	2.24	1015.69	17.6	31.06	-0.37	1024.94
2.8	15.70	1.92	1012.54	9.2	19.68	2.25	1015.71	17.8	31.07	-0.61	1024.96
3.0	15.70	1.93	1012.54	9.4	19.90	2.26	1015.88	18.6	31.07	-0.63	1024.96
3.1	15.69	1.93	1012.53	9.6	20.08	2.25	1016.03	18.7	31.06	-0.63	1024.95
3.2	15.70	1.93	1012.54	9.7	20.16	2.23	1016.09	18.9	31.07	-0.64	1024.96
3.3	15.69	1.92	1012.53	9.9	20.25	2.20	1016.17	19.0	31.09	-0.64	1024.97
3.5	15.69	1.93	1012.53	10.0	20.29	2.17	1016.20	19.1	31.09	-0.65	1024.97
3.6	15.69	1.93	1012.53	10.1	20.35	2.15	1016.25	19.2	31.09	-0.65	1024.97
3.7	15.70	1.93	1012.54	10.2	20.44	2.08	1016.32	19.5	31.09	-0.65	1024.97
3.9	15.74	1.90	1012.57	10.3	20.46	2.08	1016.34	19.6	31.09	-0.65	1024.97
4.1	15.79	1.89	1012.61	10.5	20.55	2.02	1016.41	19.9	31.08	-0.65	1024.97
4.2	15.79	1.91	1012.61	10.6	20.55	2.02	1016.41	20.0	31.07	-0.65	1024.96
4.3	15.77	1.92	1012.60	11.5	26.58	1.26	1021.27	20.1	31.08	-0.65	1024.97
4.4	15.72	1.92	1012.56	11.6	26.90	1.19	1021.53	20.2	31.08	-0.65	1024.97
4.7	15.73	1.91	1012.56	11.7	26.75	1.19	1021.41	20.4	31.10	-0.66	1024.98
4.8	15.72	1.92	1012.56	12.6	29.24	0.95	1023.42	20.5	31.10	-0.66	1024.98
4.9	15.73	1.93	1012.56	12.7	29.24	0.95	1023.42	20.7	31.10	-0.66	1024.98
5.2	15.71	1.92	1012.55	12.8	29.33	0.94	1023.49	20.8	31.10	-0.66	1024.98
5.3	15.71	1.92	1012.55	13.1	29.37	0.96	1023.52	21.0	31.10	-0.67	1024.98
5.4	15.71	1.92	1012.55	13.2	29.43	0.99	1023.57	21.2	31.09	-0.66	1024.98
5.6	15.71	1.92	1012.55	13.4	29.52	0.98	1023.64	21.3	31.10	-0.67	1024.98
5.7	15.79	1.86	1012.61	14.2	29.73	0.70	1023.82	21.5	31.10	-0.67	1024.98
5.8	16.41	1.72	1013.11	14.3	29.79	0.69	1023.87	21.6	31.10	-0.67	1024.98
5.9	16.73	1.64	1013.37	14.4	29.73	0.70	1023.82				

Station: 85050 Date: Mar 24

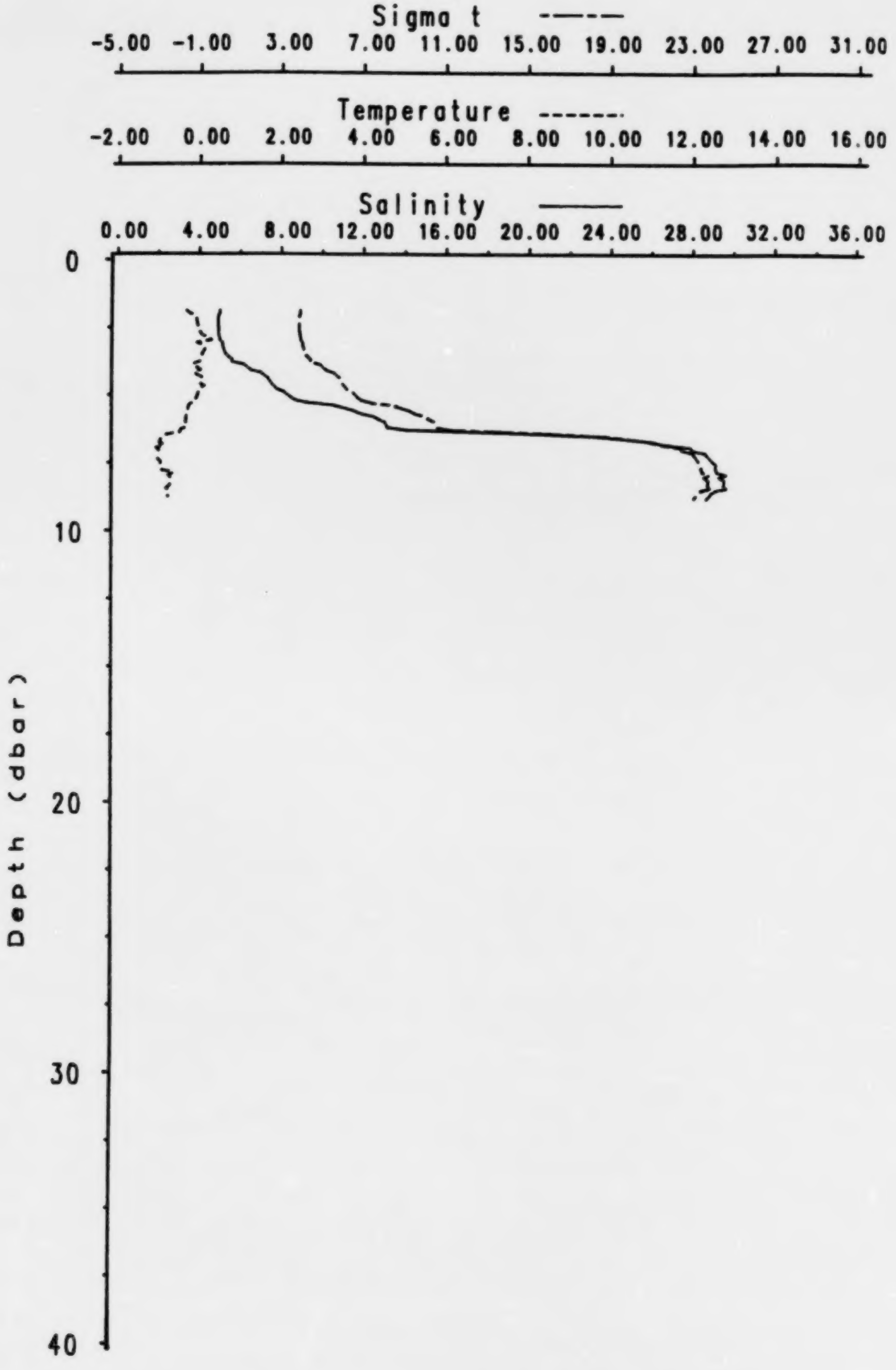

Table A1.17. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85050, March 24, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	4.79	-0.42	1003.72	4.2	6.82	-0.23	1005.38	6.5	23.08	-0.89	1018.50
2.0	4.78	-0.34	1003.72	4.4	7.16	-0.03	1005.66	6.7	25.91	-1.05	1020.79
2.1	4.71	-0.19	1003.67	4.6	7.32	-0.09	1005.79	6.8	26.61	-1.07	1021.36
2.2	4.69	-0.17	1003.65	4.7	7.46	0.03	1005.90	6.9	27.73	-0.95	1022.26
2.4	4.69	-0.15	1003.65	4.8	7.59	-0.10	1006.00	7.0	27.82	-1.14	1022.34
2.5	4.71	-0.13	1003.67	4.9	7.93	-0.12	1006.28	7.1	28.44	-1.08	1022.84
2.6	4.71	-0.11	1003.67	5.1	8.24	-0.16	1006.53	7.4	28.80	-1.11	1023.13
2.8	4.75	-0.04	1003.71	5.2	8.46	-0.19	1006.70	7.5	28.97	-1.04	1023.27
3.0	4.79	0.20	1003.75	5.3	9.05	-0.26	1007.18	7.7	28.97	-1.03	1023.27
3.1	4.93	-0.16	1003.85	5.4	10.41	-0.35	1008.27	7.8	29.03	-1.00	1023.32
3.2	4.92	-0.02	1003.85	5.6	11.36	-0.39	1009.04	7.9	29.48	-0.71	1023.67
3.3	4.97	0.05	1003.89	5.7	11.71	-0.41	1009.32	8.0	29.15	-0.84	1023.41
3.5	5.07	-0.03	1003.97	5.8	12.31	-0.42	1009.81	8.1	29.39	-0.79	1023.60
3.6	5.20	-0.04	1004.07	5.9	12.54	-0.43	1009.99	8.3	29.35	-0.78	1023.57
3.7	5.37	-0.06	1004.21	6.0	12.84	-0.43	1010.24	8.4	29.49	-0.83	1023.69
3.8	5.42	-0.10	1004.25	6.2	12.99	-0.41	1010.36	8.5	28.96	-0.89	1023.26
3.9	5.99	-0.26	1004.70	6.3	13.94	-0.54	1011.12	8.6	28.74	-0.81	1023.08
4.1	6.31	-0.07	1004.97	6.4	18.93	-0.56	1015.15	8.8	28.53	-0.85	1022.91

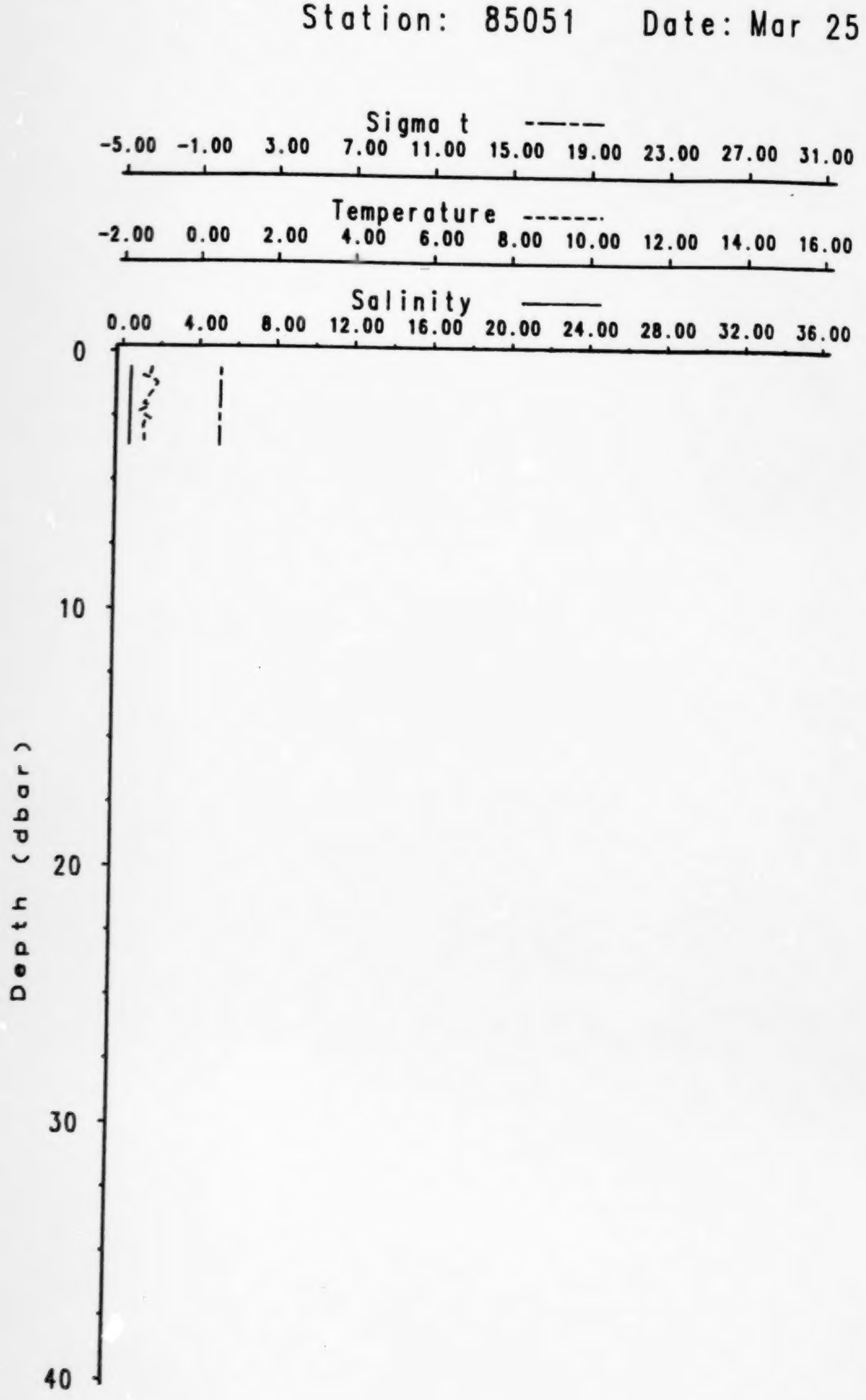
Station: 85051 Date: Mar 25
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.18. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85051, March 25, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.7	0.24	-1.34	999.93	2.1	0.20	-1.53	999.88	3.2	0.20	-1.51	999.88
0.9	0.23	-1.37	999.92	2.2	0.21	-1.39	999.90	3.3	0.20	-1.51	999.88
1.0	0.23	-1.56	999.90	2.4	0.20	-1.63	999.87	3.5	0.20	-1.52	999.88
[illegible]	0.22			2.7	0.20	-1.36	999.90	3.6	0.21		
[illegible]2	0.21	-1.23	999.92	2.8	0.20	-1.51	999.88	3.7	0.20	-1.42	999.89
[illegible]3	0.21	-1.18	999.92	3.0	0.20	-1.55	999.88				

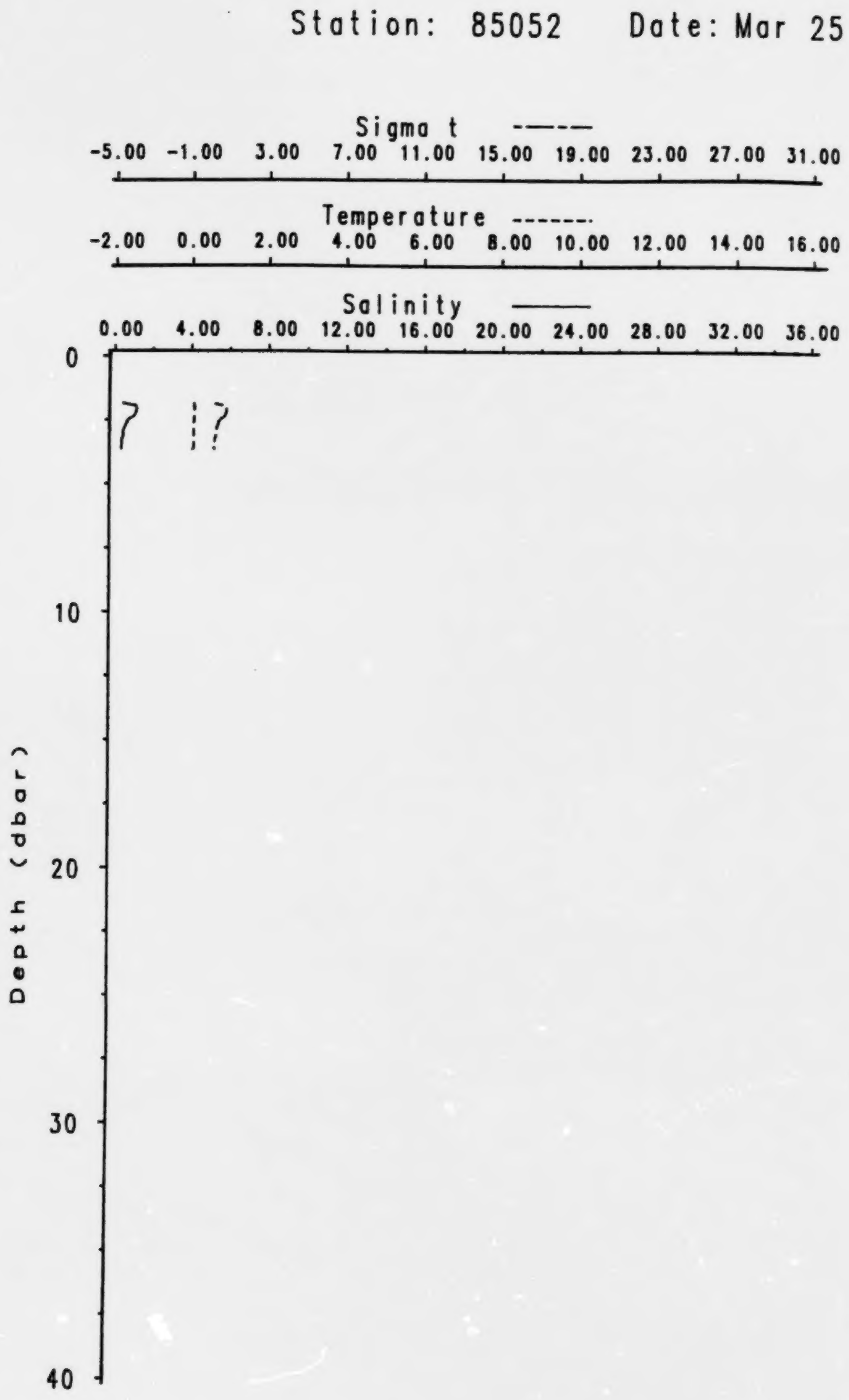
Station: 85052 Date: Mar 25
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.19. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85052, March 25, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	0.32	0.00	1000.11	2.6	0.51	-0.01	1000.26	3.3	0.24	-0.01	1000.04
2.0	0.97	0.01	1000.64	2.7	0.49	-0.02	1000.24	3.5	0.22	-0.01	1000.02
2.1	1.02	0.01	1000.68	2.8	0.41	-0.02	1000.18	3.6	0.20	-0.01	1000.01
2.2	1.00	0.01	1000.66	3.0	0.29	-0.01	1000.08	3.7	0.24	-0.01	1000.04
2.4	0.89	0.00	1000.57	3.1	0.31	-0.01	1000.10				
2.5	0.65	0.00	1000.38	3.2	0.33	-0.01	1000.11				

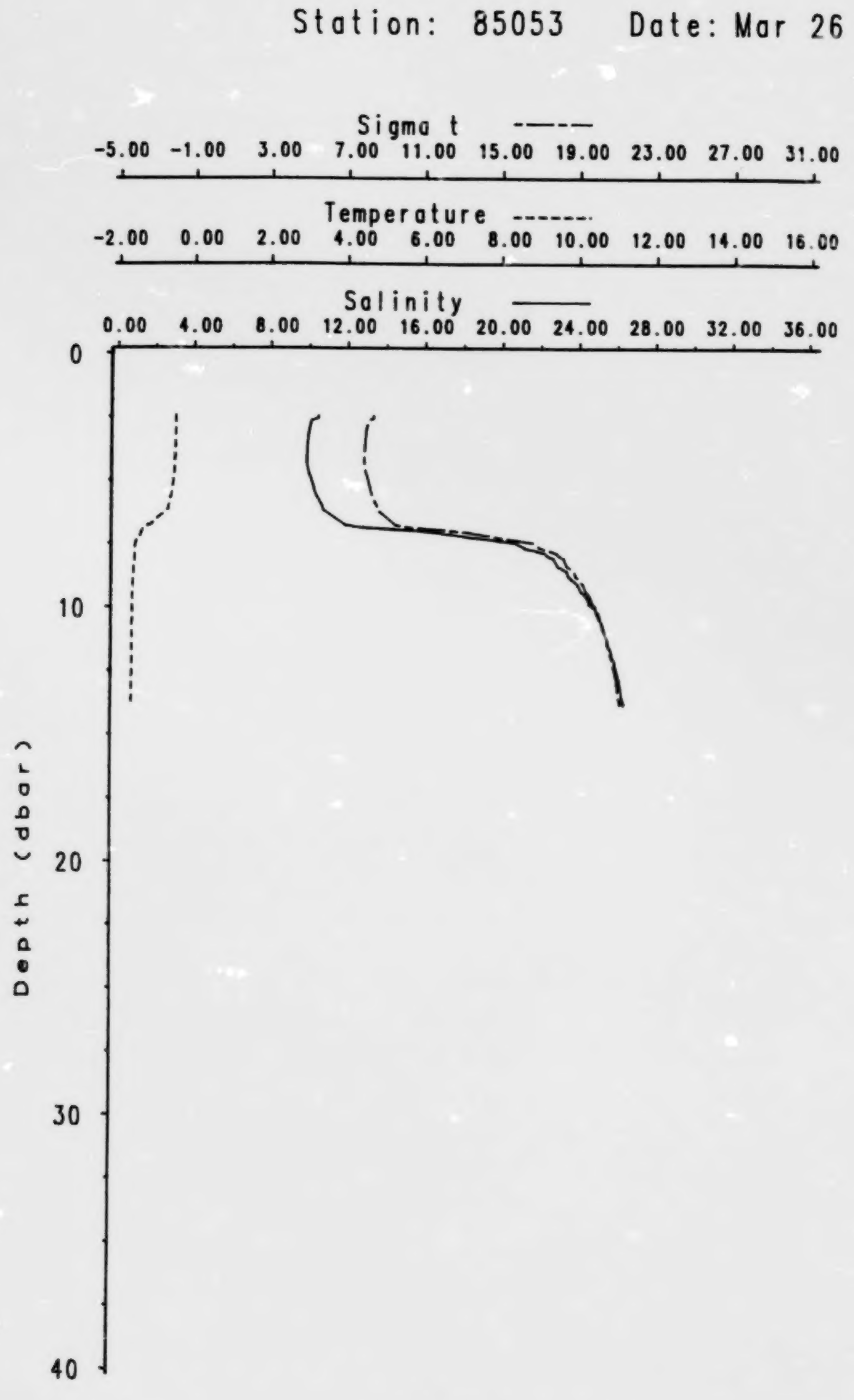
Station: 85053 Date: Mar 26
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.20. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85053, March 26, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.5	10.25	-0.59	1008.14	6.2	10.54	-0.78	1008.36	10.3	24.81	-1.70	1019.90
2.6	10.24	-0.59	1008.13	6.8	11.67	-1.22	1009.26	10.5	24.92	-1.70	1019.99
2.7	9.89	-0.58	1007.85	6.9	12.44	-1.35	1009.88	10.6	25.03	-1.70	1020.08
3.0	9.78	-0.58	1007.76	7.0	14.53	-1.44	1011.57	10.7	25.05	-1.71	1020.10
3.1	9.76	-0.59	1007.74	7.1	16.40	-1.47	1013.09	10.9	25.12	-1.70	1020.15
3.2	9.74	-0.59	1007.72	7.3	18.27	-1.53	1014.60	11.0	25.19	-1.70	1020.21
3.3	9.72	-0.59	1007.71	7.4	19.52	-1.59	1015.61	11.1	25.24	-1.70	1020.25
3.5	9.69	-0.59	1007.68	7.5	20.53	-1.62	1016.43	11.2	25.32	-1.70	1020.32
3.6	9.69	-0.60	1007.68	7.7	21.00	-1.64	1016.81	11.4	25.38	-1.70	1020.36
3.7	9.67	-0.59	1007.67	7.8	21.59	-1.65	1017.29	11.5	25.38	-1.71	1020.36
3.8	9.66	-0.59	1007.66	7.9	22.05	-1.65	1017.66	11.6	25.46	-1.71	1020.43
3.9	9.66	-0.59	1007.66	8.0	22.19	-1.65	1017.78	11.7	25.52	-1.70	1020.48
4.1	9.65	-0.59	1007.65	8.1	22.50	-1.65	1018.03	11.8	25.57	-1.70	1020.52
4.2	9.65	-0.61	1007.65	8.4	22.73	-1.66	1018.21	12.0	25.62	-1.70	1020.56
4.3	9.66	-0.61	1007.66	8.5	22.96	-1.67	1018.40	12.1	25.69	-1.70	1020.62
4.4	9.67	-0.61	1007.67	8.6	23.20	-1.67	1018.60	12.2	25.75	-1.70	1020.66
4.6	9.73	-0.62	1007.71	8.8	23.30	-1.67	1018.68	12.3	25.75	-1.70	1020.66
4.8	9.80	-0.63	1007.77	8.9	23.44	-1.68	1018.79	12.5	25.83	-1.70	1020.73
4.9	9.86	-0.64	1007.82	9.0	23.59	-1.69	1018.91	12.7	25.91	-1.70	1020.79
5.1	9.95	-0.65	1007.89	9.1	23.76	-1.69	1019.05	12.8	25.94	-1.71	1020.82
5.2	9.99	-0.66	1007.92	9.4	23.97	-1.69	1019.22	12.9	26.00	-1.70	1020.87
5.3	10.04	-0.67	1007.96	9.5	24.13	-1.70	1019.35	13.1	26.02	-1.70	1020.88
5.4	10.06	-0.68	1007.98	9.6	24.23	-1.70	1019.43	13.2	26.06	-1.71	1020.92
5.6	10.15	-0.70	1008.05	9.7	24.32	-1.70	1019.50	13.3	26.08	-1.70	1020.93
5.7	10.22	-0.71	1008.11	9.9	24.41	-1.70	1019.58	13.6	26.13	-1.70	1020.97
5.8	10.32	-0.73	1008.19	10.0	24.57	-1.70	1019.71	13.7	26.18	-1.71	1021.01
5.9	10.36	-0.73	1008.22	10.1	24.74	-1.70	1019.85	13.8	26.23	-1.70	1021.05
6.0	10.46	-0.76	1008.30	10.2	24.74	-1.70	1019.85	13.9	26.22	-1.71	1021.05

Station: 85054 Date: Mar 27

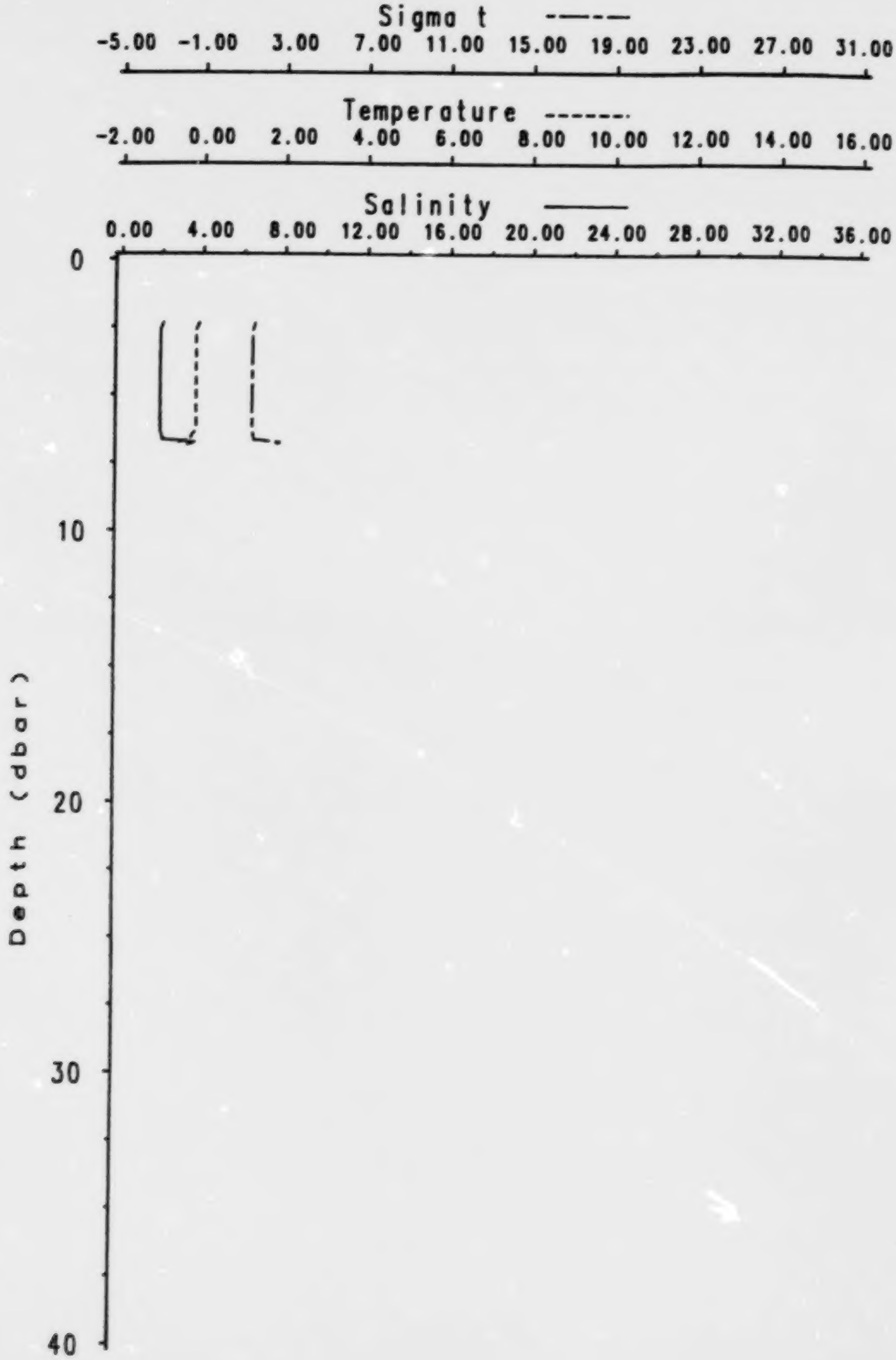

Table A1.21. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85054, March 27, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.4	1.88	-0.18	1001.37	3.9	1.73	-0.25	1001.24	5.7	1.74	-0.23	1001.25
2.7	1.74	-0.26	1001.25	4.1	1.73	-0.25	1001.24	5.8	1.74	-0.23	1001.25
2.8	1.74	-0.25	1001.25	4.2	1.74	-0.24	1001.25	5.9	1.74	-0.24	1001.25
3.0	1.74	-0.26	1001.25	4.3	1.74	-0.24	1001.25	6.0	1.74	-0.23	1001.25
3.1	1.73	-0.25	1001.24	4.6	1.74	-0.24	1001.25	6.2	1.75	-0.24	1001.26
3.2	1.74	-0.24	1001.25	4.7	1.74	-0.24	1001.25	6.4	1.77	-0.28	1001.27
3.3	1.74	-0.24	1001.25	4.8	1.73	-0.25	1001.24	6.5	1.81	-0.33	1001.30
3.5	1.74	-0.24	1001.25	4.9	1.74	-0.24	1001.25	6.7	1.88	-0.40	1001.35
3.6	1.73	-0.25	1001.24	5.2	1.74	-0.24	1001.25	6.8	3.45	-0.66	1002.62
3.7	1.73	-0.24	1001.24	5.3	1.74	-0.24	1001.25	6.9	3.12	-0.65	1002.35
3.8	1.73	-0.26	1001.24	5.4	1.74	-0.24	1001.25				

Station: 85055 Date: Mar 27

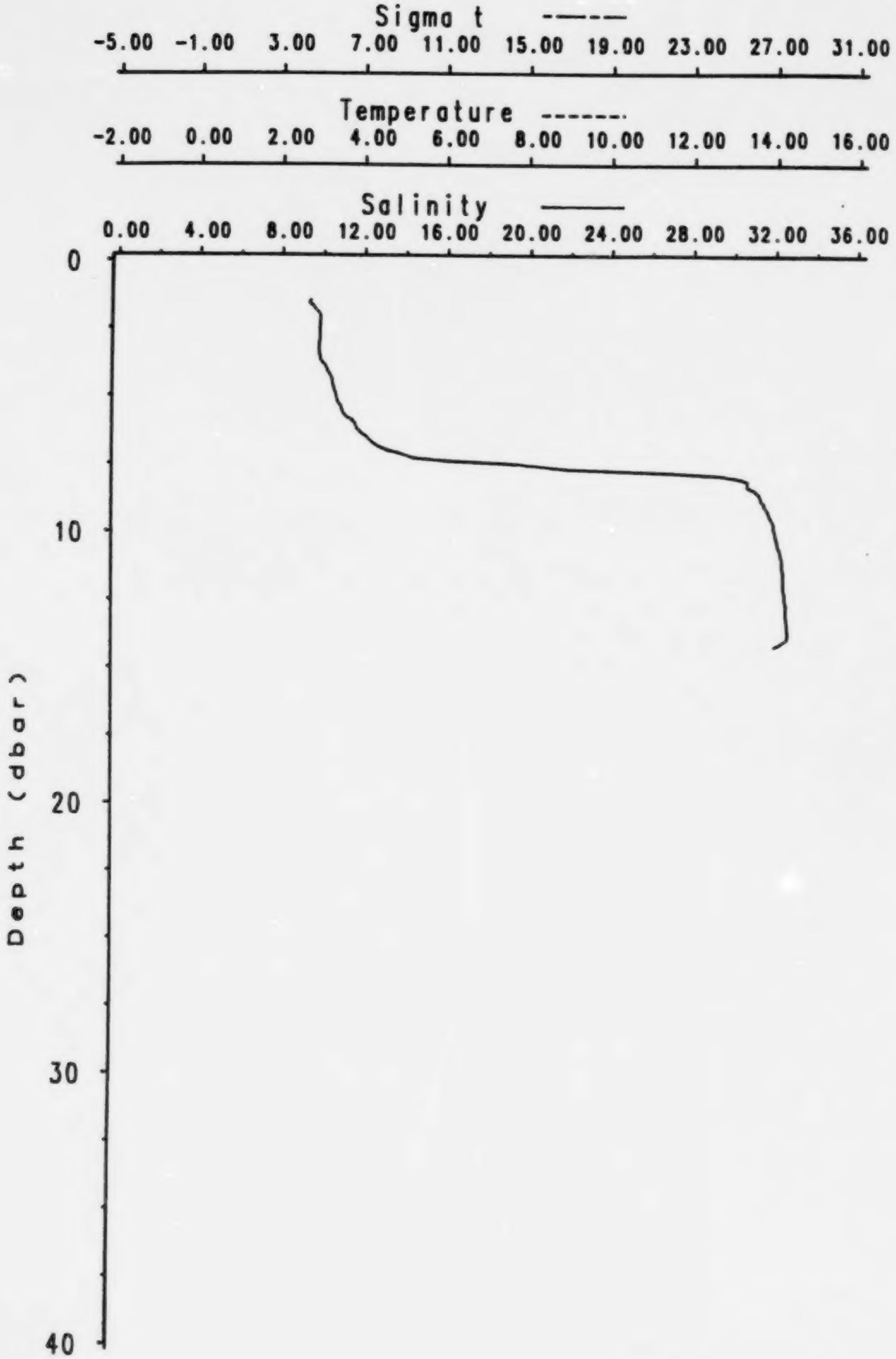

Table A1.22. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85055, March 27, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	9.19			5.9	11.22			10.1	31.91		
1.6	9.13			6.0	11.36			10.2	31.94		
1.7	9.29			6.2	11.46			10.3	31.98		
2.0	9.63			6.3	11.58			10.5	32.02		
2.1	9.68			6.4	11.72			10.6	32.09		
2.2	9.65			6.5	11.92			10.7	32.14		
2.4	9.67			6.7	12.18			10.9	32.18		
2.5	9.64			6.8	12.36			11.0	32.23		
2.6	9.63			6.9	12.59			11.1	32.23		
2.7	9.66			7.0	12.91			11.2	32.24		
2.8	9.64			7.1	13.46			11.4	32.27		
3.0	9.62			7.3	14.23			11.5	32.29		
3.1	9.60			7.4	15.78			11.6	32.28		
3.2	9.59			7.5	18.96			11.8	32.30		
3.3	9.61			7.7	21.66			12.0	32.30		
3.5	9.64			7.8	26.68			12.1	32.31		
3.6	9.67			7.9	29.27			12.2	32.34		
3.7	9.68			8.0	30.14			12.3	32.37		
3.8	9.78			8.1	30.53			12.5	32.38		
3.9	9.92			8.3	30.53			12.6	32.41		
4.1	10.03			8.4	30.83			12.7	32.43		
4.2	10.12			8.5	30.98			12.8	32.43		
4.3	10.20			8.6	31.12			12.9	32.44		
4.4	10.25			8.8	31.21			13.1	32.44		
4.6	10.29			8.9	31.35			13.2	32.47		
4.7	10.34			9.0	31.34			13.3	32.47		
4.8	10.36			9.1	31.45			13.4	32.49		
4.9	10.42			9.2	31.54			13.6	32.52		
5.2	10.52			9.4	31.62			13.7	32.52		
5.3	10.60			9.5	31.72			13.8	32.53		
5.4	10.69			9.6	31.78			13.9	32.52		
5.6	10.77			9.7	31.82			14.1	32.16		
5.7	10.85			9.9	31.85			14.2	31.88		
5.8	10.99			10.0	31.88						

Station: 85056 Date: Mar 27

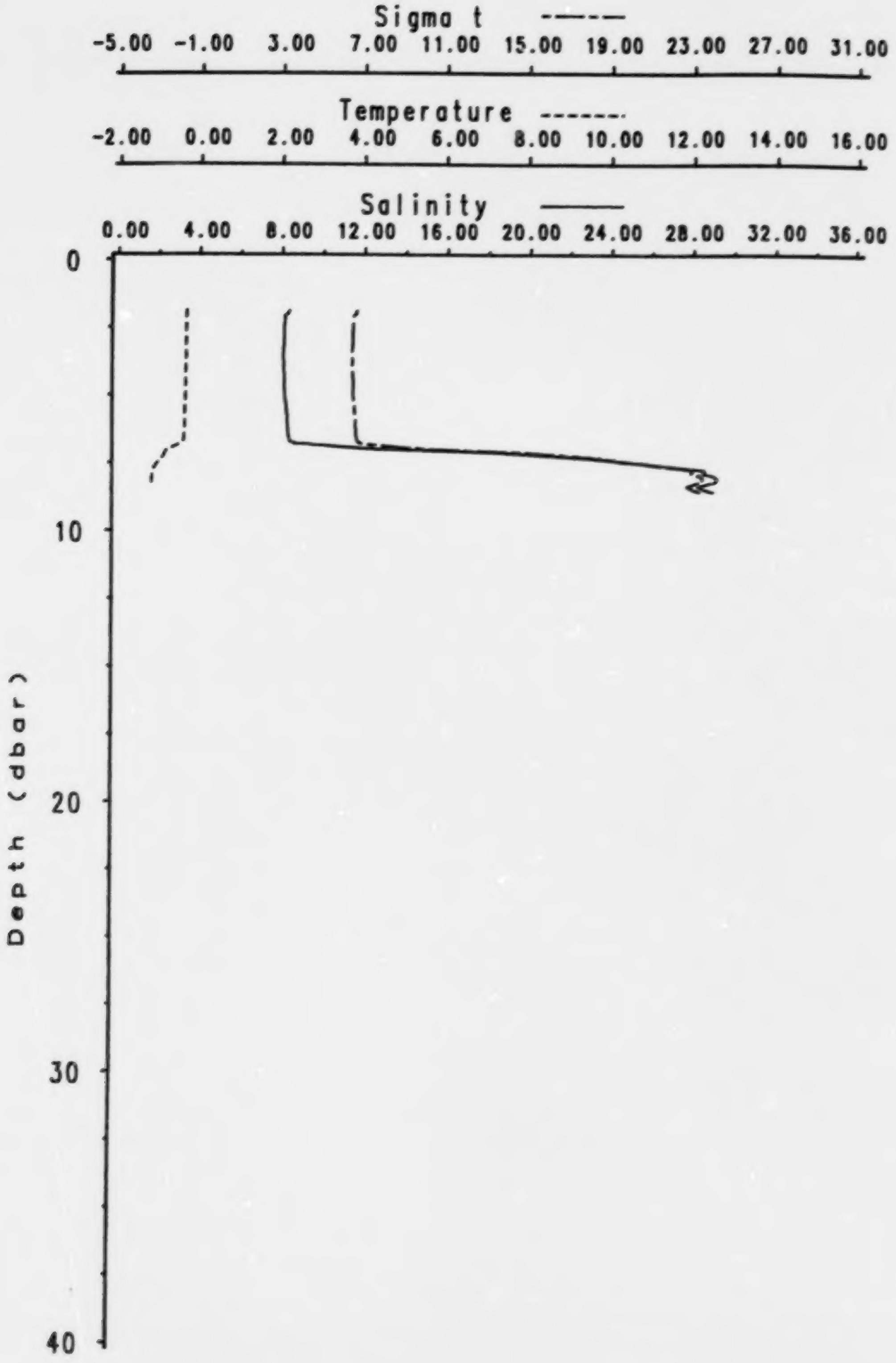

Table A1.23. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85056, March 27, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	8.13	-0.43	1006.43	4.1	7.88	-0.45	1006.22	6.4	8.11	-0.48	1006.41
2.0	8.08	-0.43	1006.39	4.2	7.90	-0.45	1006.24	6.5	8.12	-0.49	1006.42
2.1	7.93	-0.43	1006.27	4.3	7.91	-0.45	1006.25	6.7	8.19	-0.50	1006.47
2.2	7.91	-0.44	1006.25	4.4	7.92	-0.45	1006.26	6.8	8.43	-0.55	1006.66
2.4	7.89	-0.44	1006.23	4.6	7.91	-0.45	1006.25	6.9	10.17	-0.66	1008.07
2.5	7.87	-0.43	1006.22	4.7	7.92	-0.45	1006.26	7.0	12.40	-0.78	1009.87
2.6	7.87	-0.44	1006.22	4.8	7.93	-0.45	1006.26	7.1	18.28	-0.93	1014.62
2.7	7.88	-0.44	1006.22	5.1	7.96	-0.45	1006.29	7.3	23.02	-0.99	1018.45
2.8	7.87	-0.44	1006.22	5.2	7.98	-0.46	1006.30	7.4	24.25	-1.04	1019.45
3.0	7.87	-0.44	1006.22	5.3	7.99	-0.46	1006.31	7.5	25.77	-1.11	1020.68
3.1	7.87	-0.44	1006.22	5.4	8.01	-0.47	1006.33	7.7	28.39	-1.21	1022.80
3.2	7.87	-0.44	1006.22	5.6	8.04	-0.47	1006.35	7.8	28.33	-1.24	1022.75
3.3	7.84	-0.44	1006.19	5.7	8.05	-0.47	1006.36	7.9	28.82	-1.26	1023.15
3.5	7.86	-0.44	1006.21	5.8	8.07	-0.47	1006.38	8.0	29.00	-1.27	1023.30
3.6	7.86	-0.44	1006.21	5.9	8.07	-0.47	1006.38	8.1	28.95	-1.27	1023.26
3.7	7.86	-0.44	1006.21	6.0	8.09	-0.47	1006.39	8.3	28.07	-1.28	1022.54
3.8	7.87	-0.44	1006.22	6.2	8.09	-0.47	1006.39	8.4	28.39	-1.28	1022.80
3.9	7.86	-0.45	1006.21	6.3	8.11	-0.48	1006.41	8.5	28.81	-1.28	1023.14

Station: 85057 Date: Mar 27

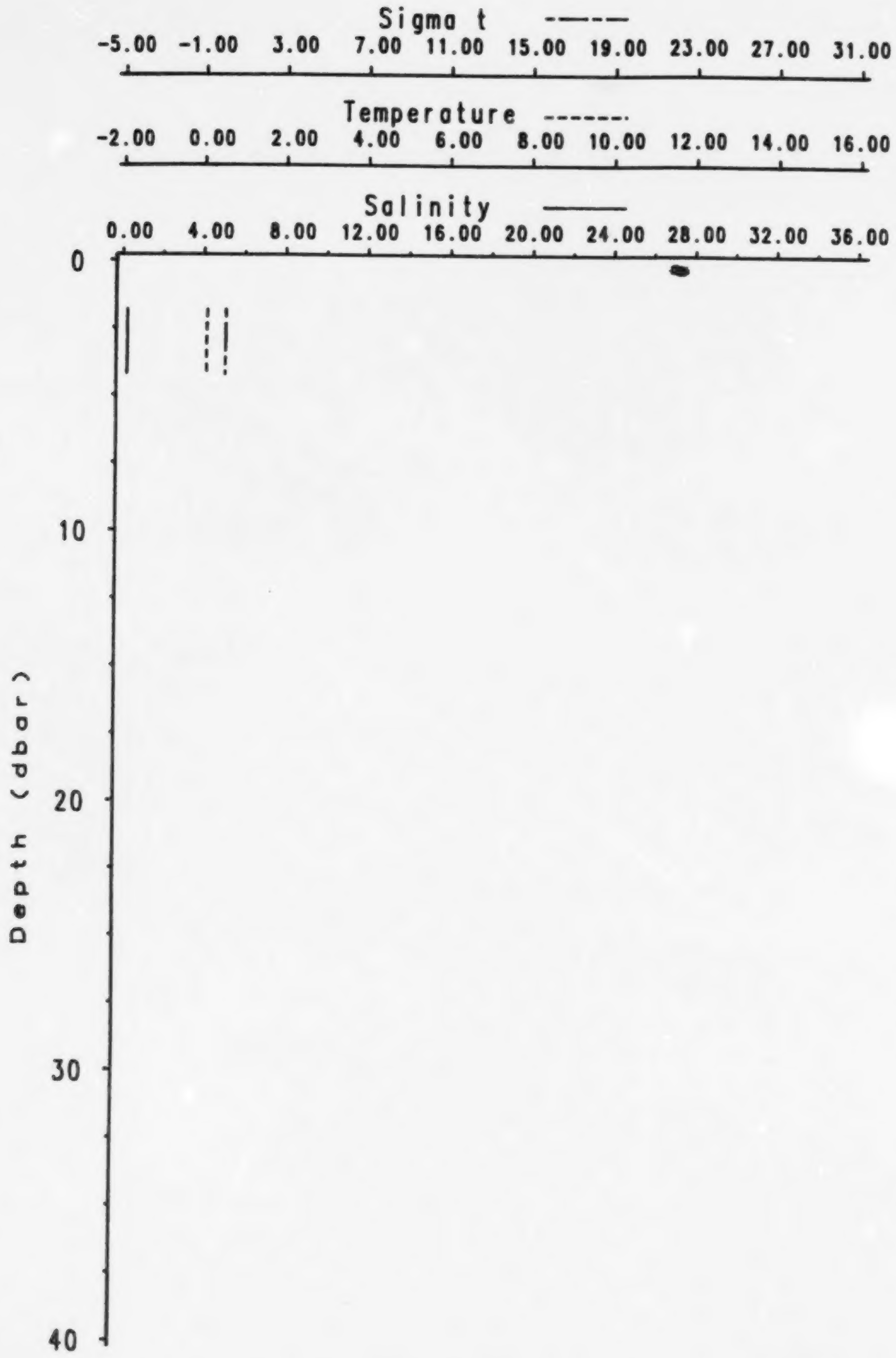

Table A1.24. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85057, March 27, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	0.05	-0.01	999.88	2.6	0.05	-0.02	999.88	3.3	0.05	-0.02	999.88
2.0	0.06	-0.01	999.89	2.7	0.06	-0.02	999.89	3.5	0.05	-0.02	999.88
2.1	0.06	-0.02	999.89	2.8	0.06	-0.02	999.89	3.6	0.05	-0.02	999.88
2.2	0.05	-0.01	999.88	3.0	0.06	-0.02	999.89	3.7	0.04	-0.02	999.87
2.4	0.05	-0.02	999.88	3.1	0.05	-0.02	999.88	4.2	0.04	-0.01	999.87
2.5	0.05	-0.02	999.88	3.2	0.05	-0.02	999.88	4.3	0.04	-0.01	999.87

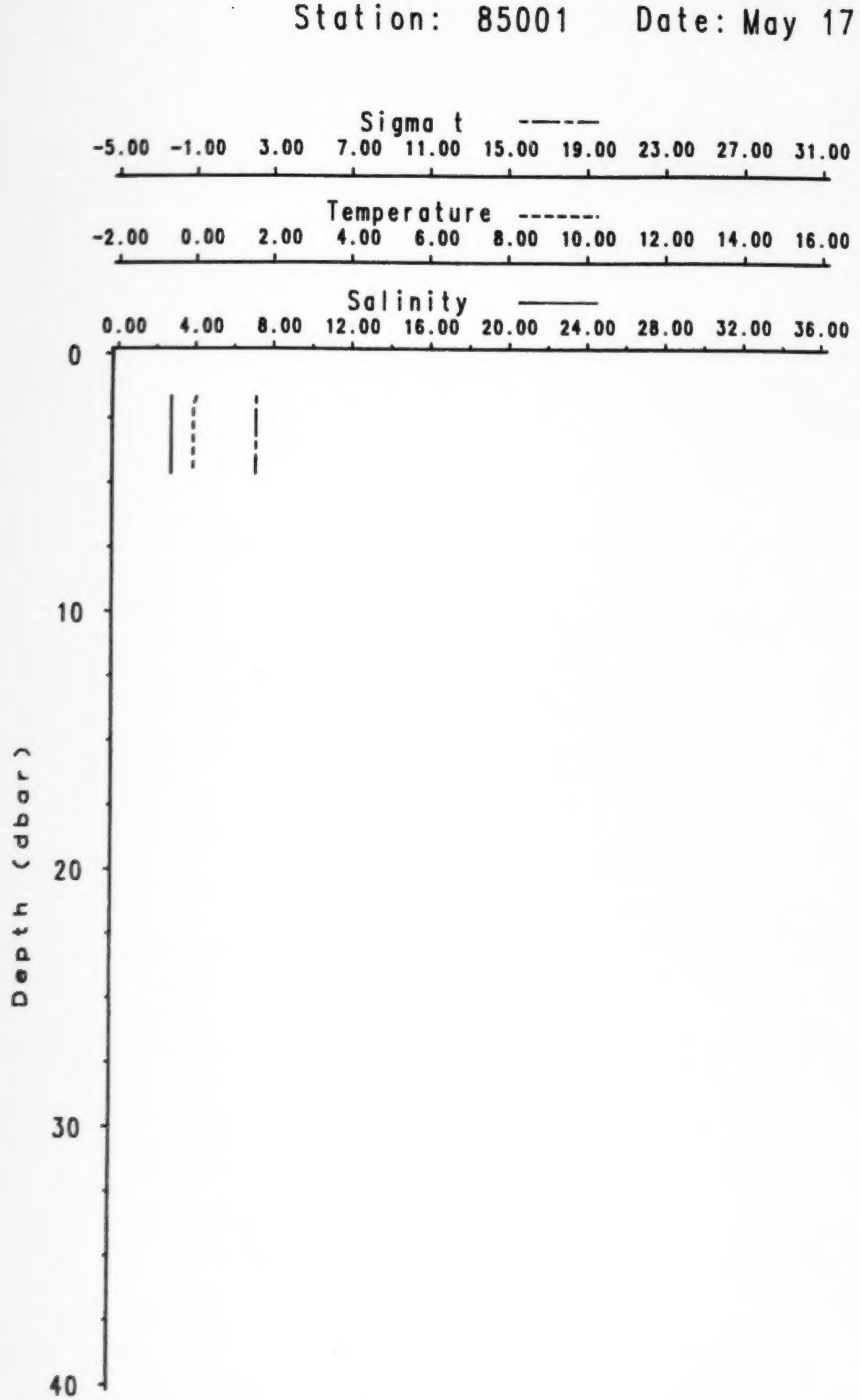
Station: 85001 Date: May 17
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.25. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85001, May 17, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	2.57	-0.06	1001.94	3.3	2.57	-0.15	1001.93	4.2	2.56	-0.15	1001.92
2.1	2.57	-0.15	1001.93	3.5	2.56	-0.15	1001.92	4.3	2.56	-0.15	1001.92
2.2	2.56	-0.15	1001.92	3.6	2.57	-0.15	1001.93	4.4	2.56	-0.15	1001.92
2.5	2.55	-0.15	1001.92	3.7	2.56	-0.15	1001.92	4.6	2.56	-0.15	1001.92
2.8	2.56	-0.15	1001.92	3.8	2.56	-0.15	1001.92	4.7	2.56	-0.15	1001.92
3.1	2.56	-0.15	1001.92	3.9	2.56	-0.15	1001.92				
3.2	2.57	-0.15	1001.93	4.1	2.56	-0.15	1001.92				

Station: 85002 Date: May 17

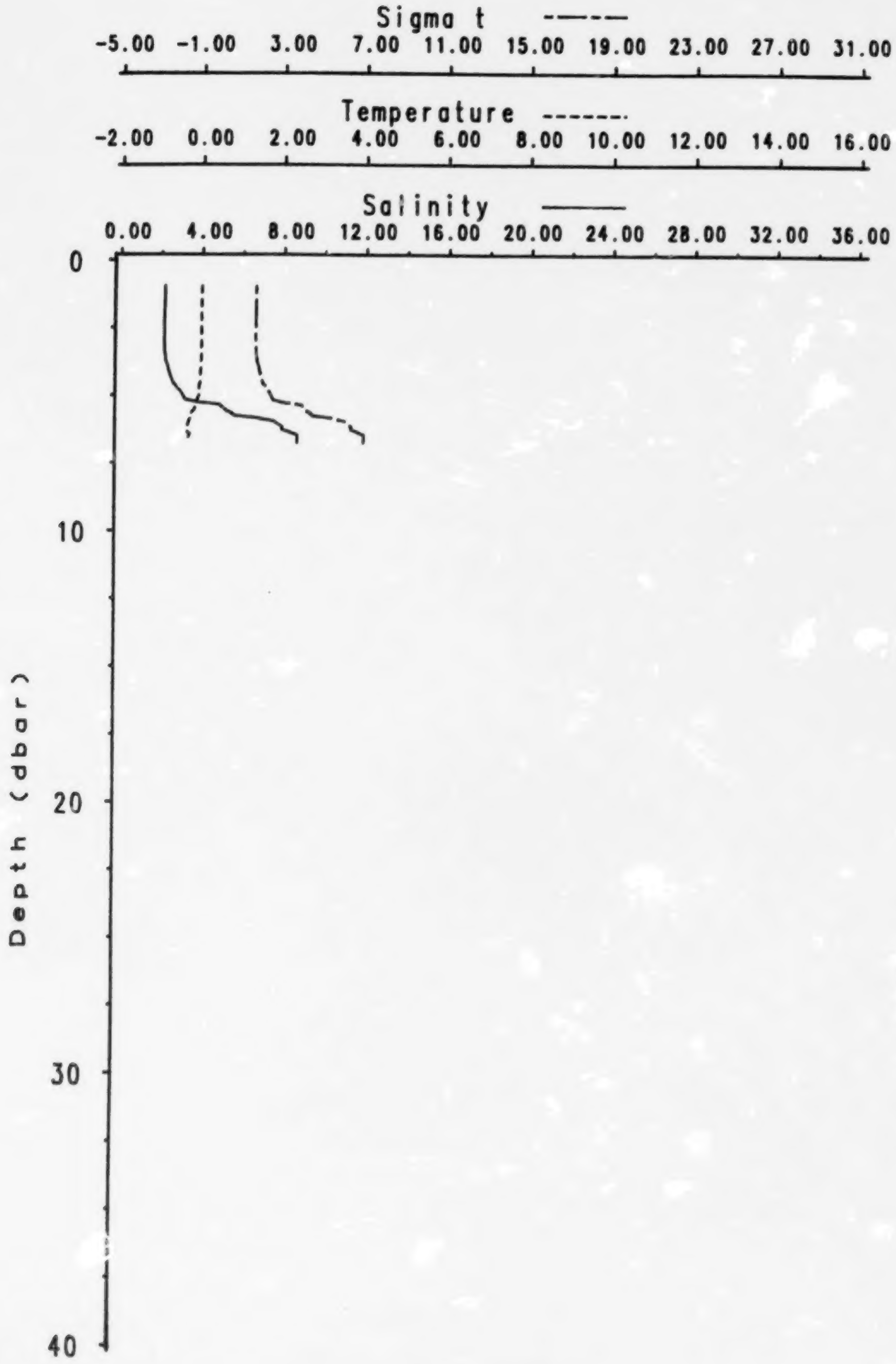

Table A1.26. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85002, May 17, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.0	1.97	-0.12	1001.45	3.1	1.96	-0.12	1001.44	5.2	2.99	-0.21	1002.27
1.1	1.97	-0.12	1001.45	3.2	1.96	-0.12	1001.44	5.3	3.51	-0.22	1002.69
1.2	1.96	-0.12	1001.44	3.3	1.96	-0.12	1001.44	5.4	4.70	-0.26	1003.66
1.3	1.96	-0.12	1001.44	3.5	1.99	-0.12	1001.46	5.6	4.97	-0.29	1003.87
1.5	1.96	-0.12	1001.44	3.7	2.03	-0.12	1001.49	5.7	5.24	-0.35	1004.09
1.6	1.95	-0.12	1001.43	3.8	2.04	-0.13	1001.50	5.8	5.40	-0.35	1004.22
1.7	1.95	-0.12	1001.43	3.9	2.10	-0.13	1001.55	5.9	6.62	-0.39	1005.21
1.9	1.94	-0.12	1001.42	4.1	2.17	-0.13	1001.61	6.0	7.32	-0.41	1005.77
2.0	1.94	-0.12	1001.42	4.2	2.21	-0.14	1001.64	6.2	7.72	-0.46	1006.09
2.1	1.94	-0.12	1001.42	4.3	2.23	-0.14	1001.66	6.3	7.70	-0.46	1006.08
2.2	1.94	-0.12	1001.42	4.4	2.29	-0.14	1001.70	6.4	8.08	-0.47	1006.39
2.4	1.94	-0.12	1001.42	4.6	2.40	-0.15	1001.79	6.5	8.47	-0.39	1006.70
2.6	1.93	-0.12	1001.41	4.7	2.53	-0.17	1001.90	6.7	8.46	-0.47	1006.69
2.7	1.93	-0.12	1001.41	4.8	2.59	-0.17	1001.95	6.8	8.48	-0.46	1006.71
2.8	1.93	-0.12	1001.41	4.9	2.76	-0.17	1002.09				
3.0	1.96	-0.12	1001.44	5.1	2.91	-0.18	1002.21				

Station: 85003 Date: May 17

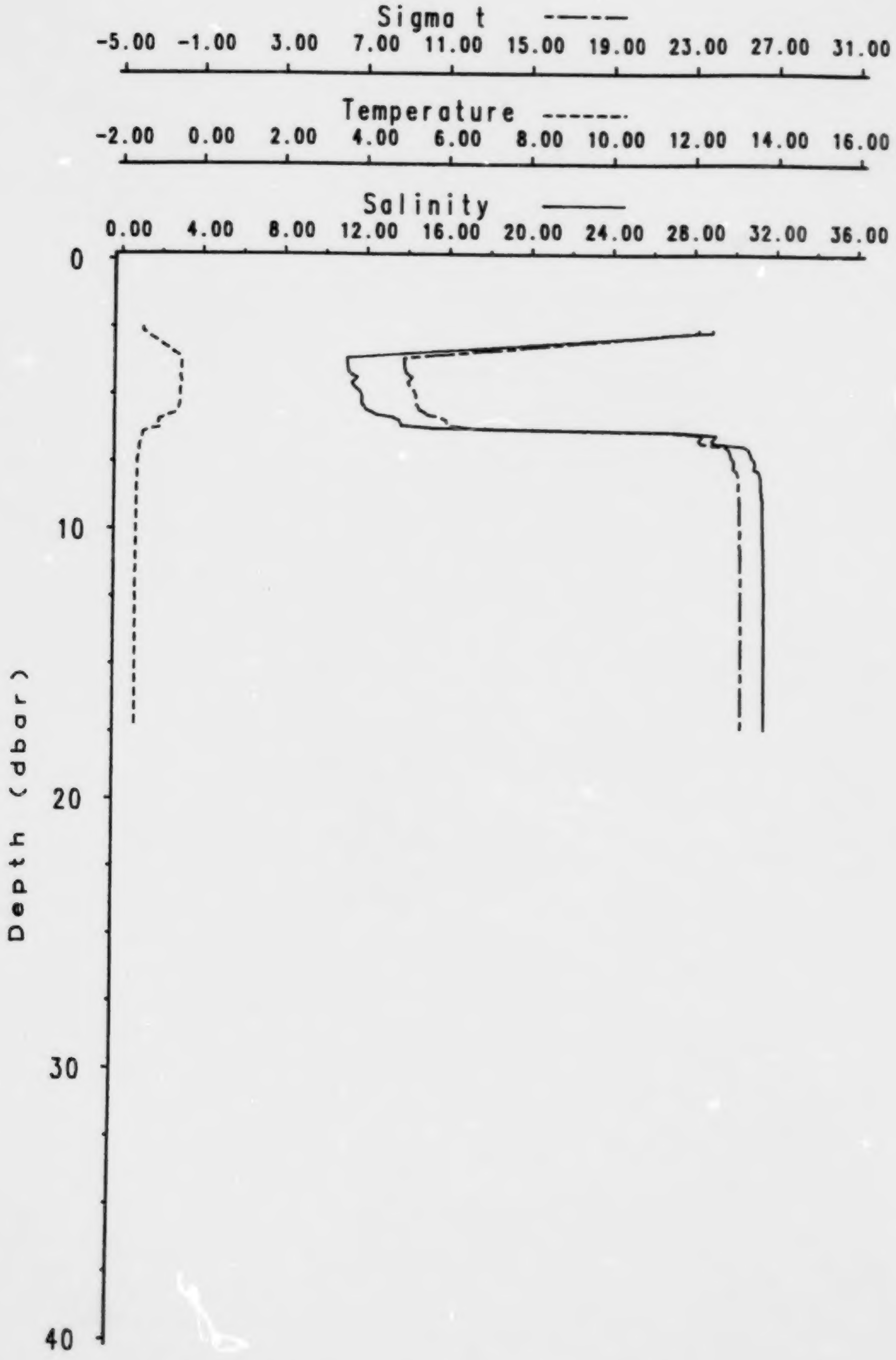

Table A1.27. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85003, May 17, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.6	28.71	-1.56	1023.07	7.9	31.12	-1.68	1025.02	12.6	31.39	-1.70	1025.24
2.7	28.72	-1.56	1023.07	8.0	31.15	-1.68	1025.05	12.7	31.39	-1.70	1025.24
3.7	10.87	-0.60	1008.64	8.1	31.18	-1.68	1025.07	12.8	31.40	-1.71	1025.25
3.8	10.87	-0.60	1008.64	8.3	31.20	-1.69	1025.09	12.9	31.40	-1.71	1025.25
3.9	10.89	-0.60	1008.65	8.4	31.18	-1.69	1025.07	13.1	31.39	-1.70	1025.24
4.1	10.94	-0.60	1008.69	8.5	31.18	-1.69	1025.07	13.2	31.39	-1.71	1025.24
4.2	10.96	-0.60	1008.71	8.6	31.23	-1.69	1025.11	13.3	31.39	-1.70	1025.24
4.3	11.10	-0.62	1008.82	8.8	31.26	-1.69	1025.14	13.4	31.39	-1.70	1025.24
4.4	11.37	-0.63	1009.04	8.9	31.28	-1.69	1025.15	13.6	31.42	-1.70	1025.27
4.6	11.12	-0.59	1008.84	9.0	31.28	-1.69	1025.15	13.7	31.42	-1.70	1025.27
4.7	11.19	-0.62	1008.90	9.1	31.28	-1.69	1025.15	13.9	31.42	-1.70	1025.27
4.8	11.31	-0.62	1008.99	9.2	31.29	-1.69	1025.16	14.1	31.42	-1.70	1025.27
4.9	11.48	-0.64	1009.13	9.5	31.30	-1.70	1025.17	14.2	31.42	-1.70	1025.27
5.1	11.62	-0.64	1009.24	9.6	31.30	-1.69	1025.17	14.3	31.43	-1.70	1025.28
5.2	11.62	-0.64	1009.24	9.7	31.30	-1.69	1025.17	14.4	31.42	-1.70	1025.27
5.3	11.61	-0.64	1009.23	9.9	31.32	-1.70	1025.19	14.6	31.43	-1.70	1025.28
5.4	11.63	-0.64	1009.25	10.1	31.32	-1.70	1025.19	14.7	31.42	-1.70	1025.27
5.6	11.81	-0.68	1009.39	10.2	31.32	-1.70	1025.19	14.8	31.41	-1.70	1025.26
5.7	12.09	-0.73	1009.62	10.3	31.30	-1.70	1025.17	14.9	31.42	-1.70	1025.27
5.8	12.31	-0.79	1009.80	10.5	31.31	-1.70	1025.18	15.5	31.43	-1.70	1025.28
5.9	13.13	-1.03	1010.45	10.6	31.30	-1.70	1025.17	15.7	31.43	-1.70	1025.28
6.0	13.42	-1.14	1010.68	10.7	31.35	-1.70	1025.21	15.9	31.42	-1.70	1025.27
6.2	13.54	-1.19	1010.78	10.9	31.35	-1.70	1025.21	16.0	31.42	-1.70	1025.27
6.3	15.04	-1.13	1011.99	11.0	31.36	-1.70	1025.22	16.1	31.43	-1.70	1025.28
6.4	26.86	-1.45	1021.56	11.1	31.36	-1.70	1025.22	16.3	31.43	-1.70	1025.28
6.5	28.94	-1.55	1023.25	11.2	31.36	-1.70	1025.22	16.4	31.44	-1.70	1025.28
6.7	28.71	-1.57	1023.07	11.4	31.36	-1.70	1025.22	16.5	31.44	-1.70	1025.28
6.8	28.85	-1.58	1023.18	11.5	31.36	-1.70	1025.22	16.7	31.43	-1.70	1025.28
6.9	30.35	-1.62	1024.40	11.6	31.36	-1.70	1025.22	16.8	31.43	-1.70	1025.28
7.0	30.54	-1.64	1024.55	11.7	31.38	-1.71	1025.24	16.9	31.44	-1.70	1025.28
7.1	30.62	-1.64	1024.62	11.8	31.38	-1.71	1025.24	17.0	31.45	-1.70	1025.29
7.3	30.71	-1.65	1024.69	12.0	31.37	-1.70	1025.23	17.1	31.45	-1.70	1025.29
7.4	30.84	-1.67	1024.80	12.1	31.39	-1.71	1025.24	17.3	31.44	-1.70	1025.28
7.5	30.88	-1.68	1024.83	12.2	31.39	-1.71	1025.24	17.4	31.45	-1.70	1025.29
7.7	30.83	-1.68	1024.79	12.3	31.39	-1.71	1025.24				
7.8	31.04	-1.68	1024.96	12.5	31.39	-1.71	1025.24				

Station: 85004 Date: May 17

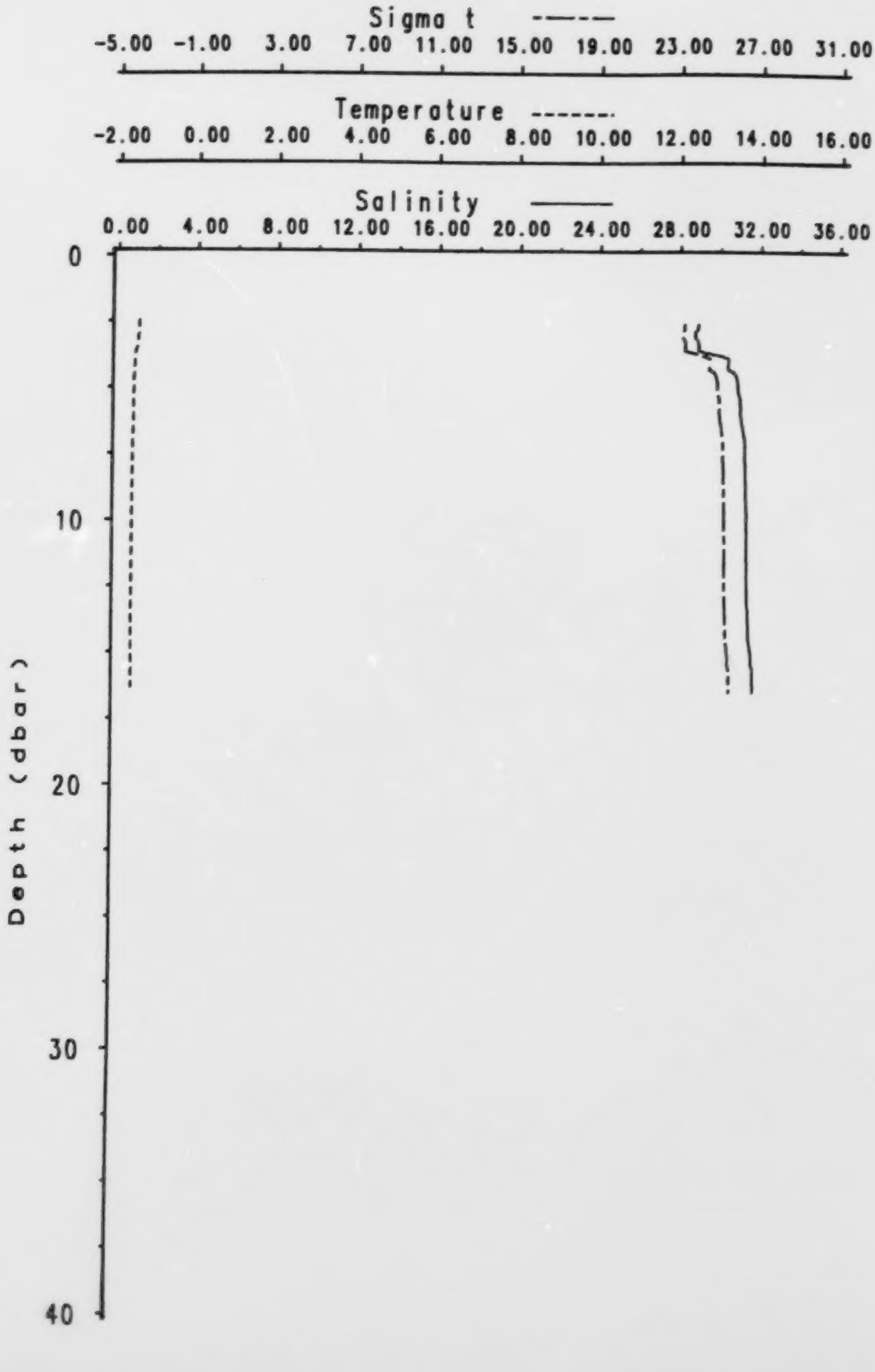

Table A1.28. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85004, May 17, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.5	28.71	-1.56	1023.07	7.0	31.12	-1.70	1025.02	12.0	31.28	-1.70	1025.15
2.6	28.70	-1.56	1023.06	7.1	31.12	-1.70	1025.02	12.1	31.29	-1.70	1025.16
2.7	28.70	-1.56	1023.06	7.3	31.11	-1.70	1025.02	12.2	31.29	-1.70	1025.16
2.8	28.58	-1.56	1022.96	7.4	31.12	-1.70	1025.02	12.3	31.30	-1.70	1025.17
3.0	28.58	-1.56	1022.96	7.5	31.12	-1.70	1025.02	12.5	31.29	-1.70	1025.16
3.1	28.70	-1.58	1023.06	7.7	31.13	-1.70	1025.03	12.6	31.31	-1.70	1025.18
3.2	28.76	-1.58	1023.11	7.8	31.15	-1.70	1025.05	12.7	31.31	-1.70	1025.18
3.3	28.76	-1.58	1023.11	7.9	31.15	-1.70	1025.05	12.8	31.32	-1.70	1025.19
3.5	28.76	-1.60	1023.11	8.0	31.16	-1.70	1025.06	12.9	31.32	-1.70	1025.19
3.6	29.34	-1.62	1023.58	8.1	31.17	-1.70	1025.07	13.1	31.33	-1.70	1025.20
3.7	29.96	-1.64	1024.08	8.3	31.18	-1.70	1025.07	13.2	31.34	-1.70	1025.20
3.8	30.25	-1.65	1024.32	8.4	31.18	-1.70	1025.07	13.3	31.36	-1.70	1025.22
3.9	30.26	-1.65	1024.33	8.5	31.19	-1.70	1025.08	13.6	31.38	-1.70	1025.24
4.1	30.21	-1.66	1024.29	8.6	31.20	-1.70	1025.09	13.7	31.38	-1.70	1025.24
4.2	30.24	-1.66	1024.31	8.9	31.20	-1.70	1025.09	13.8	31.39	-1.70	1025.24
4.3	30.50	-1.67	1024.52	9.0	31.19	-1.70	1025.08	13.9	31.39	-1.70	1025.24
4.4	30.61	-1.67	1024.61	9.1	31.21	-1.70	1025.10	14.1	31.39	-1.70	1025.24
4.6	30.71	-1.67	1024.69	9.2	31.22	-1.70	1025.11	14.2	31.40	-1.70	1025.25
4.7	30.73	-1.68	1024.71	9.4	31.23	-1.70	1025.11	14.3	31.41	-1.70	1025.26
4.8	30.74	-1.68	1024.72	9.5	31.24	-1.70	1025.12	14.4	31.41	-1.69	1025.26
4.9	30.73	-1.67	1024.71	9.6	31.25	-1.70	1025.13	14.6	31.45	-1.69	1025.29
5.1	30.77	-1.67	1024.74	9.7	31.23	-1.70	1025.11	14.7	31.48	-1.69	1025.32
5.2	30.81	-1.68	1024.77	9.9	31.25	-1.70	1025.13	14.8	31.49	-1.69	1025.33
5.3	30.85	-1.68	1024.81	10.0	31.26	-1.71	1025.14	15.0	31.53	-1.69	1025.36
5.4	30.86	-1.68	1024.81	10.1	31.25	-1.70	1025.13	15.2	31.53	-1.69	1025.36
5.6	30.88	-1.68	1024.83	10.2	31.25	-1.70	1025.13	15.3	31.53	-1.68	1025.36
5.7	30.87	-1.68	1024.82	10.3	31.26	-1.70	1025.14	15.4	31.55	-1.68	1025.37
5.8	30.85	-1.68	1024.81	10.5	31.26	-1.70	1025.14	15.5	31.61	-1.68	1025.42
5.9	30.85	-1.68	1024.81	10.6	31.27	-1.70	1025.15	15.7	31.62	-1.68	1025.43
6.0	30.91	-1.68	1024.85	10.9	31.27	-1.70	1025.15	15.8	31.63	-1.69	1025.44
6.2	30.93	-1.68	1024.87	11.0	31.27	-1.70	1025.15	15.9	31.62	-1.68	1025.43
6.3	30.96	-1.69	1024.89	11.2	31.27	-1.70	1025.15	16.0	31.63	-1.68	1025.44
6.4	30.99	-1.69	1024.92	11.4	31.27	-1.70	1025.15	16.1	31.63	-1.68	1025.44
6.5	31.00	-1.69	1024.93	11.5	31.28	-1.70	1025.15	16.3	31.63	-1.68	1025.44
6.7	31.05	-1.69	1024.97	11.6	31.28	-1.70	1025.15	16.4	31.63	-1.68	1025.44
6.8	31.09	-1.70	1025.00	11.7	31.27	-1.70	1025.15				
6.9	31.10	-1.70	1025.01	11.8	31.27	-1.70	1025.15				

Station: 85005 Date: May 17

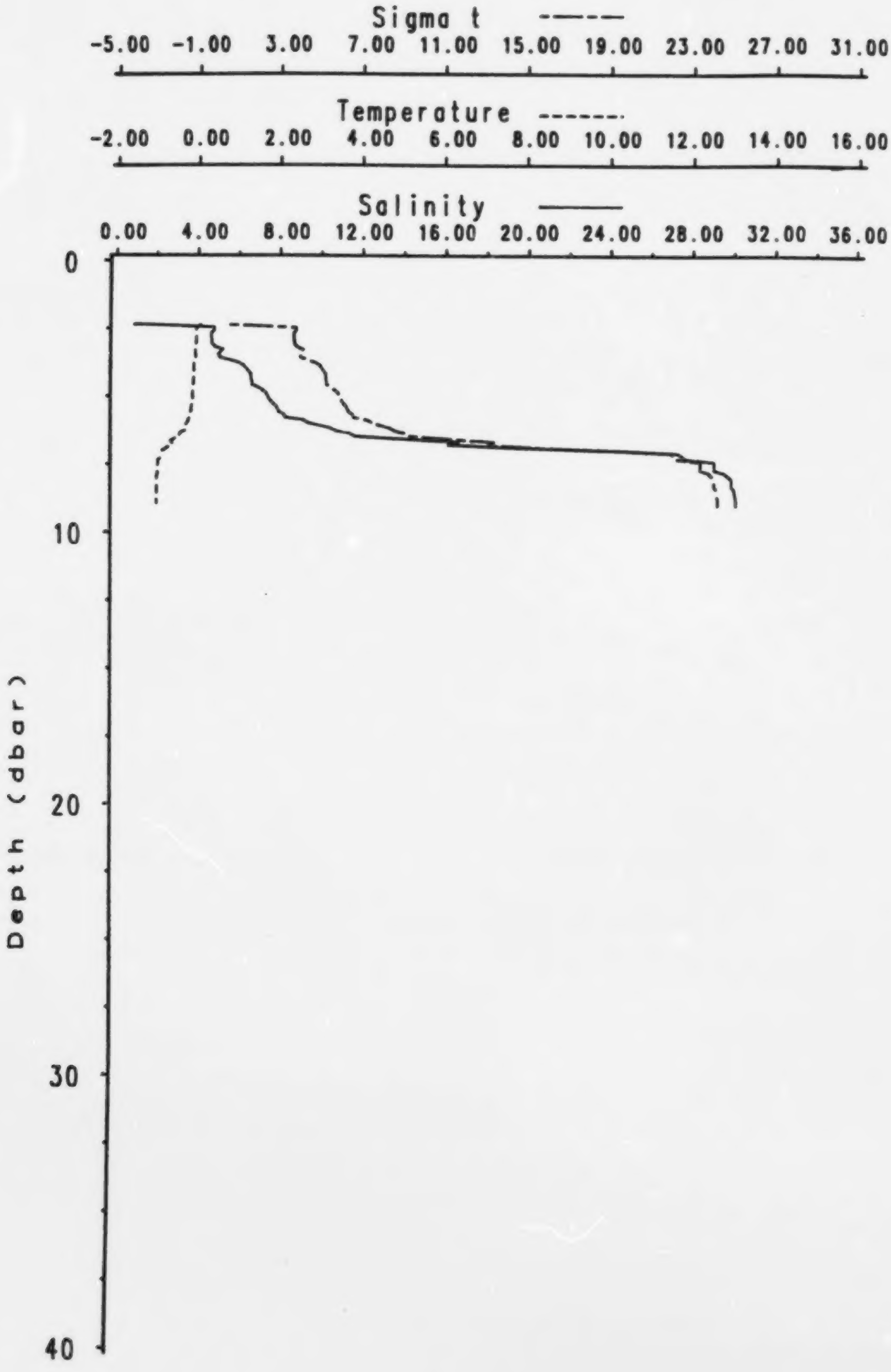

Table A1.29. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85005, May 17, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.4	0.70	-0.04	1000.41	4.8	6.95	-0.23	1005.48	7.0	24.48	-0.90	1019.63
2.5	4.62	-0.14	1003.60	4.9	7.13	-0.23	1005.63	7.1	27.14	-0.99	1021.79
2.6	4.61	-0.14	1003.59	5.1	7.26	-0.23	1005.73	7.3	27.50	-1.01	1022.08
2.7	4.48	-0.14	1003.48	5.2	7.36	-0.24	1005.81	7.4	28.87	-1.07	1023.19
2.8	4.45	-0.14	1003.46	5.3	7.46	-0.24	1005.89	7.5	28.89	-1.08	1023.21
3.0	4.49	-0.14	1003.49	5.4	7.62	-0.26	1006.02	7.7	28.86	-1.09	1023.18
3.1	4.51	-0.15	1003.51	5.6	7.76	-0.27	1006.14	7.8	29.34	-1.09	1023.57
3.2	4.64	-0.15	1003.61	5.7	8.00	-0.29	1006.33	7.9	29.51	-1.09	1023.71
3.3	5.02	-0.17	1003.92	5.8	8.06	-0.29	1006.38	8.0	29.69	-1.10	1023.85
3.5	4.81	-0.16	1003.75	5.9	8.92	-0.34	1007.07	8.1	29.71	-1.10	1023.87
3.6	4.88	-0.16	1003.81	6.0	9.14	-0.35	1007.25	8.3	29.71	-1.10	1023.87
3.8	5.81	-0.20	1004.56	6.2	10.25	-0.44	1008.14	8.4	29.82	-1.11	1023.96
3.9	6.05	-0.20	1004.75	6.3	10.51	-0.41	1008.35	8.5	29.86	-1.10	1023.99
4.1	6.26	-0.20	1004.92	6.4	11.22	-0.52	1008.92	8.6	29.88	-1.10	1024.01
4.2	6.39	-0.20	1005.03	6.5	11.46	-0.56	1009.12	8.8	29.93	-1.11	1024.05
4.4	6.42	-0.21	1005.05	6.7	16.45	-0.76	1013.14	8.9	29.93	-1.11	1024.05
4.6	6.46	-0.22	1005.09	6.8	15.96	-0.72	1012.75	9.0	29.94	-1.11	1024.06
4.7	6.73	-0.22	1005.30	6.9	18.98	-0.81	1015.19				

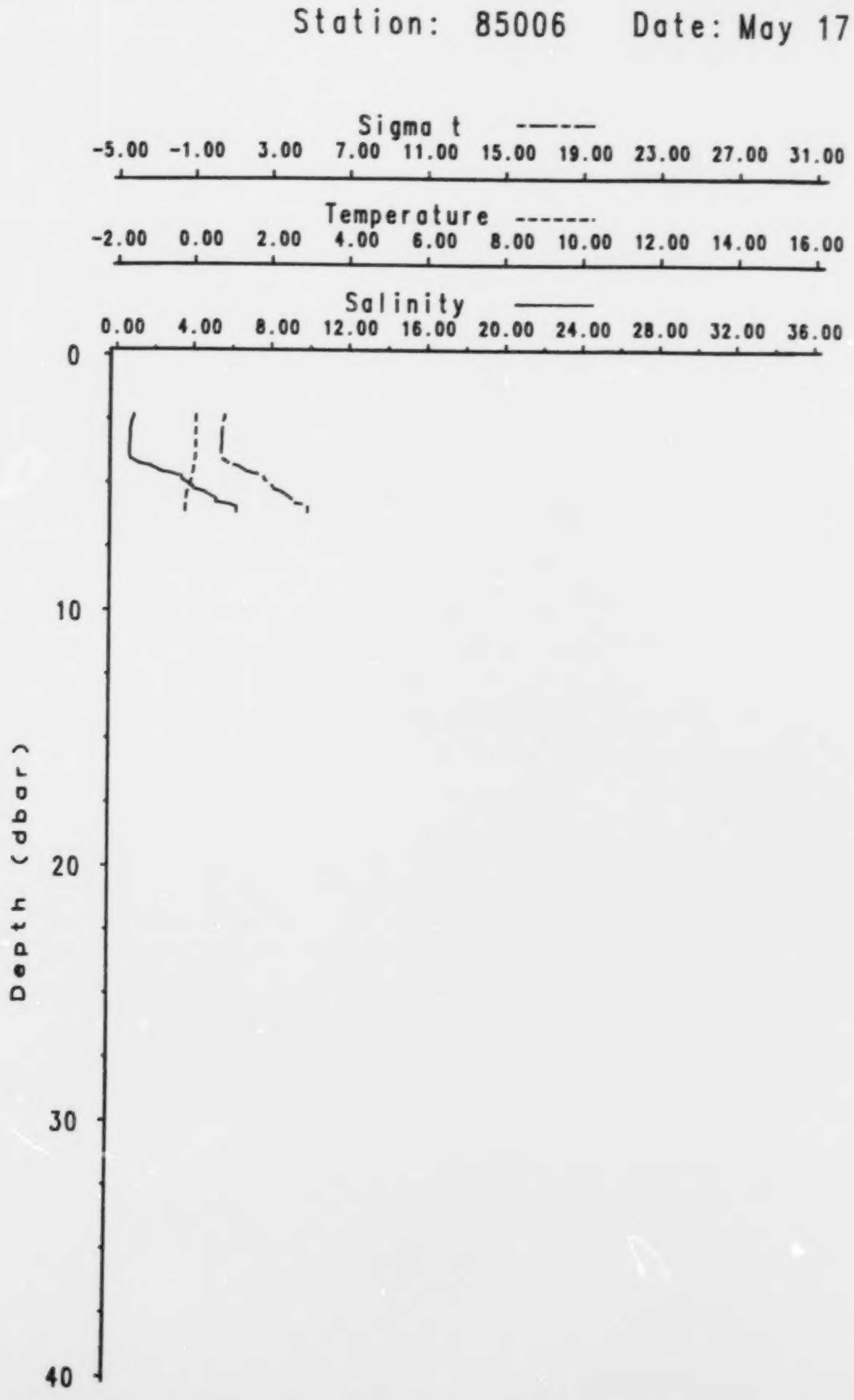
Station: 85006 Date: May 17
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.30. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85006, May 17, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.4	0.71	-0.04	1000.42	3.7	0.49	-0.04	1000.24	5.2	3.79	-0.19	1002.92
2.5	0.72	-0.04	1000.43	3.8	0.49	-0.04	1000.24	5.3	3.89	-0.20	1003.00
2.6	0.63	-0.04	1000.36	3.9	0.50	-0.04	1000.25	5.4	4.39	-0.26	1003.40
2.7	0.60	-0.04	1000.33	4.1	0.56	-0.05	1000.30	5.7	5.02	-0.29	1003.91
2.8	0.58	-0.04	1000.32	4.3	1.00	-0.08	1000.66	5.8	4.99	-0.29	1003.89
3.0	0.53	-0.03	1000.28	4.4	1.61	-0.09	1001.15	5.9	5.72	-0.30	1004.48
3.1	0.53	-0.04	1000.27	4.6	2.12	-0.10	1001.57	6.0	6.04	-0.30	1004.74
3.2	0.53	-0.04	1000.27	4.7	2.76	-0.12	1002.09	6.2	6.03	-0.30	1004.73
3.5	0.52	-0.04	1000.27	4.8	3.22	-0.15	1002.46				
3.6	0.50	-0.03	1000.25	4.9	3.23	-0.15	1002.47				

Station: 85007 Date: May 18

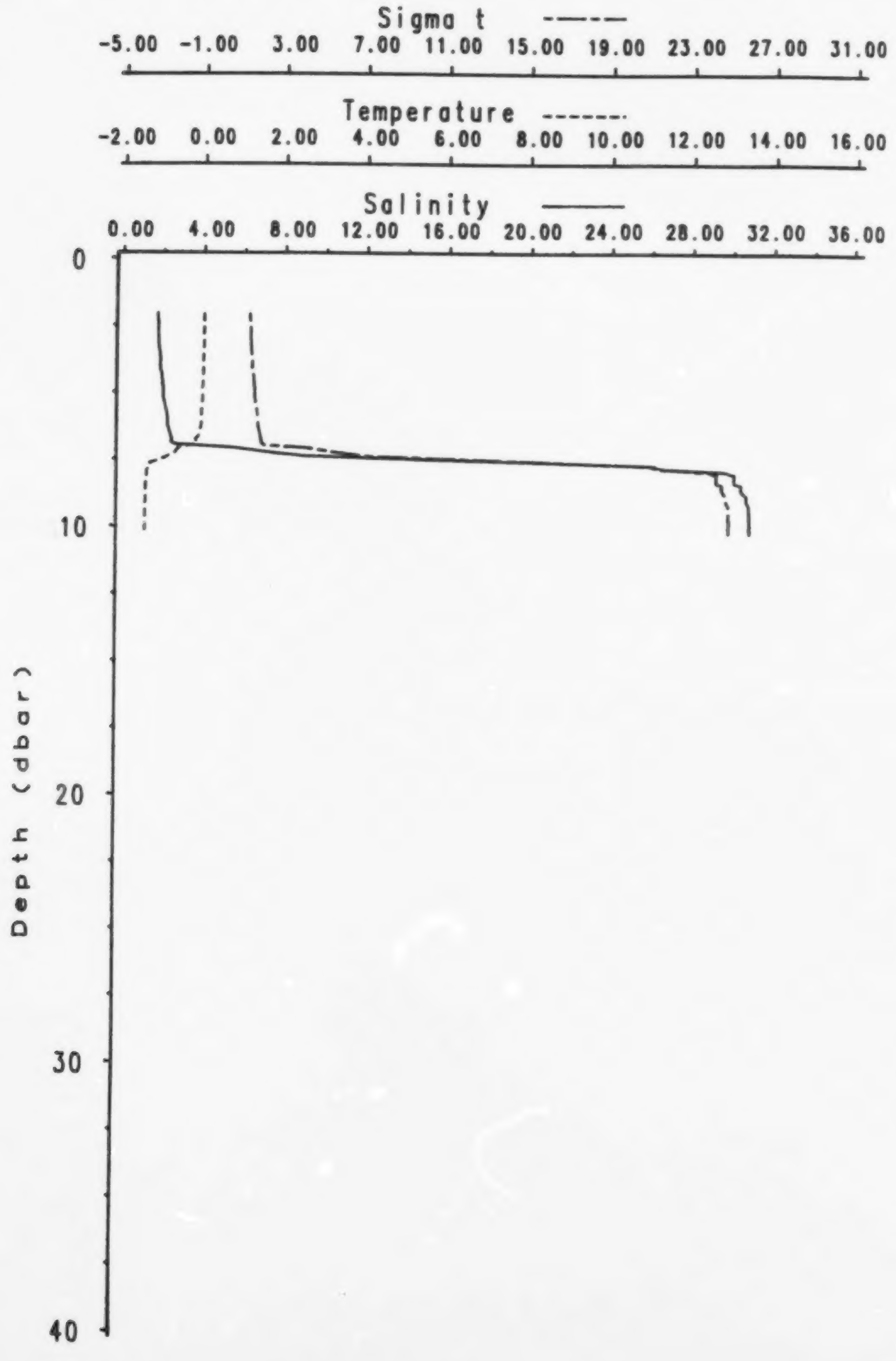

Table A1.31. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85007, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.1	1.53	-0.09	1001.09	4.8	1.83	-0.11	1001.33	8.0	29.96	-1.48	1024.08
2.2	1.54	-0.09	1001.10	4.9	1.85	-0.12	1001.35	8.1	29.93	-1.48	1024.06
2.4	1.57	-0.09	1001.12	5.1	1.83	-0.11	1001.33	8.3	29.96	-1.48	1024.08
2.5	1.57	-0.09	1001.12	5.2	1.84	-0.12	1001.34	8.4	30.31	-1.50	1024.36
2.6	1.58	-0.09	1001.13	5.7	1.99	-0.14	1001.46	8.5	30.26	-1.50	1024.32
2.7	1.58	-0.09	1001.13	5.9	2.04	-0.15	1001.50	8.6	30.29	-1.49	1024.35
3.1	1.61	-0.09	1001.15	6.0	2.06	-0.15	1001.52	8.8	30.55	-1.50	1024.56
3.2	1.61	-0.09	1001.15	6.2	2.06	-0.15	1001.52	8.9	30.55	-1.50	1024.56
3.3	1.62	-0.09	1001.16	6.3	2.07	-0.15	1001.53	9.0	30.54	-1.50	1024.55
3.5	1.65	-0.10	1001.19	6.7	2.23	-0.22	1001.65	9.1	30.64	-1.50	1024.63
3.6	1.67	-0.10	1001.20	6.8	2.27	-0.28	1001.68	9.2	30.69	-1.51	1024.67
3.7	1.67	-0.10	1001.20	6.9	2.24	-0.26	1001.66	9.4	30.70	-1.51	1024.68
3.8	1.70	-0.10	1001.23	7.0	2.44	-0.32	1001.82	9.5	30.71	-1.51	1024.69
3.9	1.68	-0.10	1001.21	7.1	5.22	-0.69	1004.05	9.6	30.71	-1.51	1024.69
4.1	1.68	-0.10	1001.21	7.3	7.36	-0.78	1005.79	9.7	30.72	-1.51	1024.70
4.2	1.70	-0.11	1001.23	7.4	8.80	-0.93	1006.95	9.9	30.73	-1.51	1024.70
4.3	1.74	-0.10	1001.26	7.5	14.35	-1.02	1011.44	10.0	30.68	-1.51	1024.66
4.4	1.78	-0.11	1001.29	7.7	26.00	-1.39	1020.87	10.1	30.73	-1.51	1024.70
4.6	1.81	-0.11	1001.32	7.8	26.42	-1.40	1021.21	10.2	30.73	-1.51	1024.70
4.7	1.81	-0.11	1001.32	7.9	29.54	-1.45	1023.74				

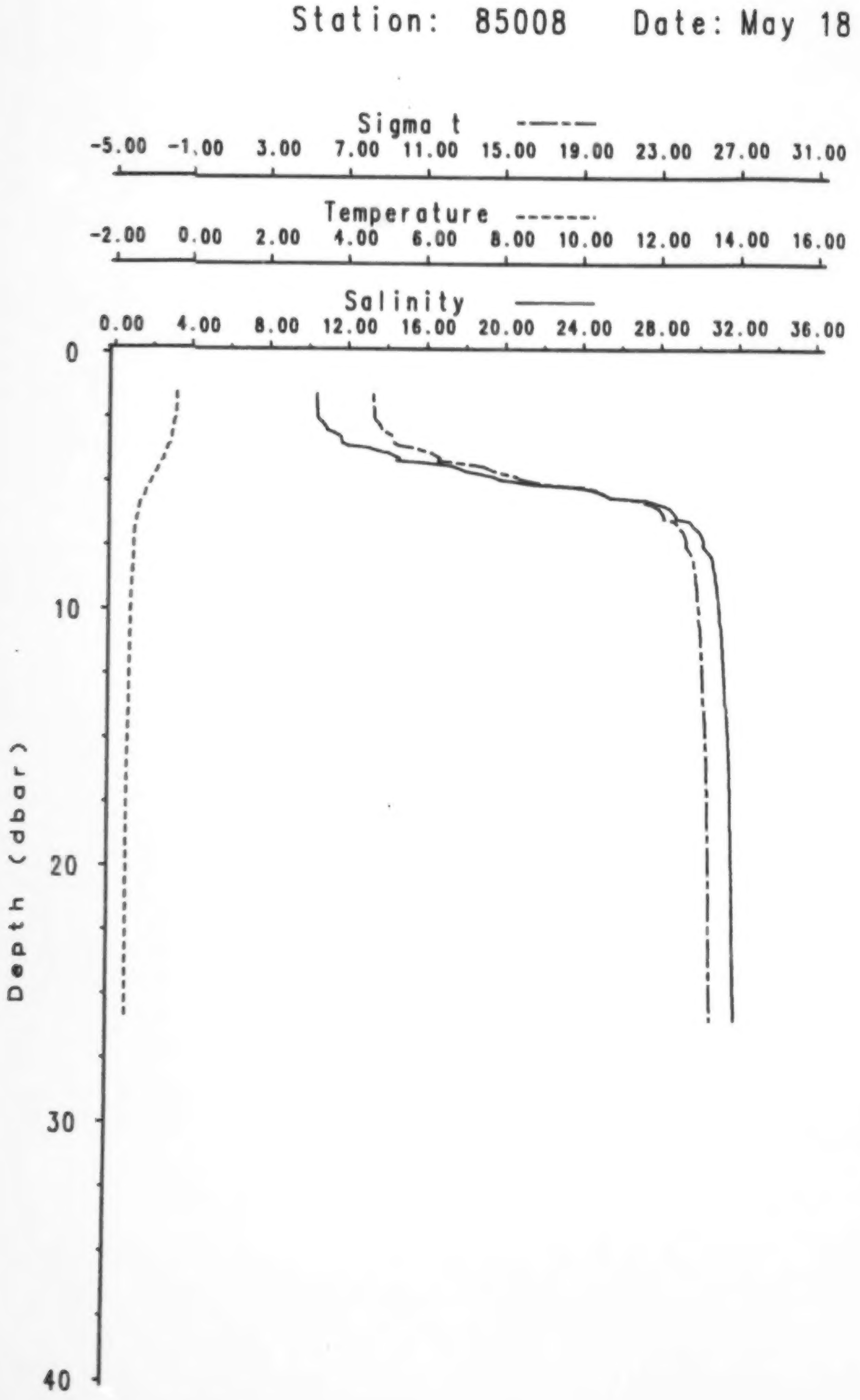
Station: 85008 Date: May 18
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.32. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85008, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.6	10.20	-0.50	1008.10	7.3	30.09	-1.58	1024.19	13.6	31.27	-1.67	1025.15
1.7	10.20	-0.50	1008.10	7.4	30.05	-1.58	1024.15	13.7	31.31	-1.67	1025.18
1.9	10.22	-0.50	1008.12	7.5	30.10	-1.58	1024.19	13.8	31.33	-1.67	1025.20
2.0	10.23	-0.50	1008.12	7.8	30.44	-1.58	1024.47	13.9	31.34	-1.67	1025.20
2.1	10.24	-0.50	1008.13	7.9	30.53	-1.59	1024.54	14.1	31.36	-1.68	1025.22
2.2	10.26	-0.51	1008.15	8.0	30.56	-1.59	1024.57	14.2	31.35	-1.68	1025.21
2.4	10.25	-0.51	1008.14	8.1	30.59	-1.59	1024.59	14.3	31.38	-1.68	1025.24
2.5	10.25	-0.51	1008.14	8.3	30.62	-1.59	1024.62	14.4	31.38	-1.68	1025.24
2.6	10.35	-0.53	1008.22	8.4	30.65	-1.60	1024.64	14.6	31.39	-1.68	1025.24
2.7	10.51	-0.56	1008.35	8.5	30.67	-1.61	1024.66	14.7	31.40	-1.68	1025.25
2.8	10.62	-0.57	1008.44	8.6	30.71	-1.61	1024.69	14.8	31.40	-1.68	1025.25
3.0	10.78	-0.58	1008.57	8.8	30.73	-1.62	1024.71	14.9	31.42	-1.69	1025.27
3.1	11.09	-0.60	1008.82	8.9	30.75	-1.62	1024.72	15.0	31.43	-1.69	1025.28
3.2	11.36	-0.62	1009.03	9.0	30.78	-1.62	1024.75	15.2	31.44	-1.70	1025.28
3.3	11.49	-0.62	1009.14	9.1	30.80	-1.63	1024.76	15.3	31.44	-1.70	1025.28
3.5	11.53	-0.64	1009.17	9.2	30.82	-1.63	1024.78	15.4	31.46	-1.70	1025.30
3.6	11.82	-0.66	1009.40	9.4	30.84	-1.64	1024.80	15.5	31.46	-1.70	1025.30
3.7	12.89	-0.72	1010.27	9.5	30.85	-1.64	1024.80	15.7	31.46	-1.70	1025.30
3.8	13.31	-0.74	1010.61	9.6	30.86	-1.64	1024.81	15.8	31.47	-1.70	1025.31
3.9	13.92	-0.78	1011.10	9.7	30.89	-1.64	1024.84	15.9	31.49	-1.71	1025.33
4.1	14.43	-0.82	1011.51	9.9	30.91	-1.64	1024.85	16.0	31.49	-1.71	1025.33
4.2	14.30	-0.81	1011.40	10.0	30.93	-1.64	1024.87	16.1	31.49	-1.71	1025.33
4.3	15.95	-0.90	1012.74	10.1	30.95	-1.65	1024.89	16.3	31.51	-1.71	1025.34
4.4	17.14	-0.95	1013.70	10.2	30.93	-1.64	1024.87	16.4	31.51	-1.71	1025.34
4.6	17.90	-0.98	1014.31	10.3	30.91	-1.64	1024.85	16.5	31.51	-1.71	1025.34
4.7	18.61	-1.02	1014.89	10.5	30.97	-1.65	1024.90	16.7	31.51	-1.71	1025.34
4.8	19.26	-1.07	1015.41	10.6	31.01	-1.65	1024.93	16.8	31.52	-1.71	1025.35
4.9	19.54	-1.10	1015.64	10.7	31.03	-1.65	1024.95	16.9	31.52	-1.71	1025.35
5.1	21.32	-1.15	1017.08	10.9	31.04	-1.65	1024.96	17.0	31.54	-1.71	1025.37
5.2	23.62	-1.21	1018.94	11.0	31.07	-1.66	1024.98	17.1	31.54	-1.71	1025.37
5.3	24.30	-1.24	1019.49	11.1	31.07	-1.65	1024.98	17.3	31.55	-1.71	1025.37
5.4	24.71	-1.28	1019.82	11.2	31.08	-1.66	1024.99	17.4	31.55	-1.71	1025.37
5.6	25.24	-1.30	1020.25	11.4	31.09	-1.66	1025.00	17.5	31.56	-1.71	1025.38
5.7	27.14	-1.37	1021.79	11.5	31.11	-1.66	1025.02	17.8	31.55	-1.71	1025.37
5.8	27.56	-1.40	1022.13	11.6	31.11	-1.66	1025.02	17.9	31.56	-1.71	1025.38
5.9	28.00	-1.43	1022.49	11.7	31.12	-1.66	1025.02	18.5	31.58	-1.71	1025.40
6.0	28.30	-1.44	1022.73	11.8	31.13	-1.66	1025.03	18.6	31.60	-1.71	1025.42
6.2	28.55	-1.47	1022.94	12.0	31.15	-1.67	1025.05	18.7	31.60	-1.71	1025.42
6.3	28.64	-1.48	1023.01	12.1	31.16	-1.67	1025.06	18.9	31.61	-1.71	1025.42
6.4	28.64	-1.49	1023.01	12.2	31.17	-1.67	1025.07	19.0	31.61	-1.71	1025.42
6.5	29.36	-1.52	1023.59	12.3	31.18	-1.67	1025.07	19.1	31.62	-1.72	1025.43
6.7	29.55	-1.53	1023.75	12.5	31.18	-1.67	1025.07	19.2	31.62	-1.71	1025.43
6.8	29.71	-1.55	1023.88	12.6	31.20	-1.67	1025.09	19.3	31.63	-1.71	1025.44
6.9	29.86	-1.56	1024.00	12.7	31.21	-1.67	1025.10	19.5	31.63	-1.71	1025.44
7.0	29.94	-1.57	1024.06	13.3	31.25	-1.67	1025.13	19.6	31.63	-1.71	1025.44
7.1	30.01	-1.57	1024.12	13.4	31.24	-1.67	1025.12	19.7	31.63	-1.71	1025.44

CONTINUED NEXT PAGE

Table A1.32. Station 85008 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
19.9	31.63	-1.71	1025.44	21.9	31.72	-1.71	1025.51	24.0	31.78	-1.70	1025.56
20.0	31.64	-1.71	1025.45	22.1	31.71	-1.71	1025.50	24.2	31.78	-1.70	1025.56
20.1	31.66	-1.71	1025.46	22.2	31.72	-1.71	1025.51	24.3	31.79	-1.70	1025.57
20.2	31.66	-1.71	1025.46	22.3	31.73	-1.71	1025.52	24.4	31.78	-1.70	1025.56
20.4	31.67	-1.71	1025.47	22.4	31.73	-1.71	1025.52	24.5	31.80	-1.70	1025.58
20.5	31.67	-1.71	1025.47	22.6	31.73	-1.71	1025.52	24.7	31.80	-1.70	1025.58
20.6	31.67	-1.72	1025.47	22.7	31.73	-1.71	1025.52	24.8	31.80	-1.70	1025.58
20.7	31.67	-1.71	1025.47	22.8	31.73	-1.71	1025.52	24.9	31.80	-1.70	1025.58
20.8	31.68	-1.71	1025.48	22.9	31.74	-1.71	1025.53	25.0	31.82	-1.70	1025.59
21.0	31.68	-1.71	1025.48	23.1	31.75	-1.71	1025.54	25.1	31.81	-1.70	1025.59
21.1	31.69	-1.71	1025.49	23.2	31.75	-1.71	1025.54	25.3	31.82	-1.70	1025.59
21.2	31.69	-1.71	1025.49	23.3	31.76	-1.71	1025.55	25.4	31.82	-1.70	1025.59
21.3	31.70	-1.71	1025.50	23.4	31.76	-1.71	1025.55	25.5	31.84	-1.70	1025.61
21.5	31.70	-1.71	1025.50	23.6	31.76	-1.71	1025.55	25.6	31.84	-1.70	1025.61
21.6	31.69	-1.71	1025.49	23.7	31.77	-1.70	1025.55	25.8	31.84	-1.69	1025.61
21.7	31.71	-1.71	1025.50	23.8	31.78	-1.71	1025.56	25.9	31.84	-1.69	1025.61
21.8	31.71	-1.71	1025.50	23.9	31.78	-1.70	1025.56				

Station: 85009 Date: May 18

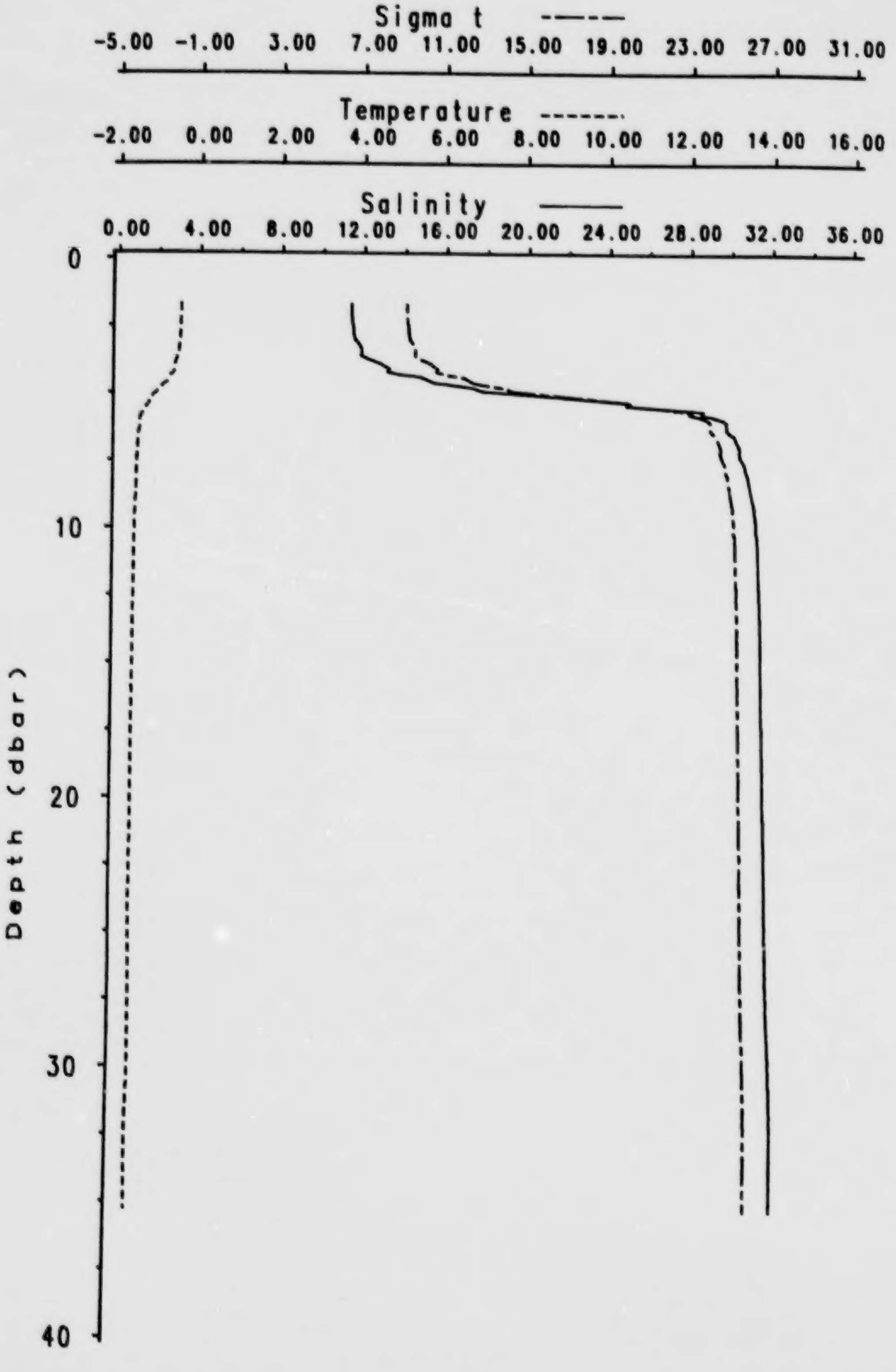

Table A1.33. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85009, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	11.17	-0.58	1008.88	7.7	30.52	-1.65	1024.54	14.3	31.37	-1.70	1025.23
1.9	11.17	-0.58	1008.88	7.8	30.55	-1.65	1024.56	14.4	31.38	-1.70	1025.24
2.0	11.17	-0.59	1008.88	7.9	30.59	-1.65	1024.59	14.6	31.38	-1.70	1025.24
2.1	11.19	-0.59	1008.90	8.0	30.65	-1.65	1024.64	14.9	31.38	-1.70	1025.24
2.2	11.20	-0.59	1008.90	8.1	30.67	-1.65	1024.66	15.0	31.37	-1.70	1025.23
2.4	11.23	-0.59	1008.93	8.8	30.87	-1.66	1024.82	15.2	31.37	-1.70	1025.23
2.5	11.27	-0.59	1008.96	8.9	30.89	-1.66	1024.84	15.3	31.39	-1.70	1025.24
2.6	11.29	-0.60	1008.98	9.0	30.93	-1.67	1024.87	15.9	31.43	-1.71	1025.28
2.7	11.29	-0.59	1008.98	9.1	30.96	-1.67	1024.89	16.0	31.43	-1.70	1025.28
2.8	11.30	-0.60	1008.99	9.2	30.99	-1.67	1024.92	16.7	31.44	-1.71	1025.29
3.0	11.36	-0.60	1009.03	9.4	31.00	-1.67	1024.93	16.8	31.44	-1.71	1025.29
3.1	11.48	-0.62	1009.13	9.5	31.04	-1.68	1024.96	17.4	31.47	-1.71	1025.31
3.2	11.58	-0.62	1009.21	9.6	31.04	-1.68	1024.96	17.5	31.48	-1.71	1025.32
3.3	11.66	-0.63	1009.28	9.7	31.07	-1.68	1024.98	17.6	31.48	-1.71	1025.32
3.5	11.71	-0.64	1009.32	9.9	31.09	-1.68	1025.00	17.8	31.48	-1.71	1025.32
3.6	11.66	-0.63	1009.28	10.0	31.06	-1.68	1024.98	17.9	31.48	-1.71	1025.32
3.7	11.92	-0.68	1009.48	10.1	31.07	-1.68	1024.98	18.0	31.49	-1.71	1025.33
3.8	12.26	-0.69	1009.76	10.2	31.12	-1.69	1025.02	18.1	31.48	-1.71	1025.32
3.9	12.62	-0.72	1010.05	10.3	31.14	-1.69	1025.04	18.2	31.50	-1.71	1025.33
4.1	13.04	-0.75	1010.39	10.5	31.16	-1.69	1025.06	18.4	31.49	-1.71	1025.33
4.2	12.96	-0.74	1010.32	10.6	31.18	-1.69	1025.07	18.5	31.50	-1.71	1025.33
4.3	13.49	-0.78	1010.75	10.7	31.18	-1.69	1025.07	18.6	31.52	-1.71	1025.35
4.4	14.60	-0.86	1011.65	10.9	31.18	-1.69	1025.07	18.7	31.52	-1.71	1025.35
4.6	15.20	-0.91	1012.13	11.5	31.23	-1.69	1025.11	18.9	31.50	-1.71	1025.33
4.7	16.17	-0.99	1012.91	11.6	31.23	-1.69	1025.11	19.0	31.53	-1.71	1025.36
4.8	17.21	-1.06	1013.75	11.7	31.24	-1.69	1025.12	19.1	31.52	-1.71	1025.35
4.9	17.58	-1.12	1014.05	11.8	31.24	-1.69	1025.12	19.2	31.54	-1.71	1025.37
5.3	24.85	-1.36	1019.94	12.0	31.25	-1.69	1025.13	19.3	31.54	-1.71	1025.37
5.4	24.68	-1.35	1019.80	12.1	31.25	-1.70	1025.13	19.5	31.53	-1.71	1025.36
5.6	28.46	-1.46	1022.86	12.2	31.27	-1.70	1025.15	19.6	31.54	-1.71	1025.37
5.7	28.37	-1.48	1022.79	12.3	31.27	-1.69	1025.15	19.9	31.55	-1.72	1025.37
5.8	29.00	-1.53	1023.30	12.5	31.28	-1.69	1025.15	20.0	31.54	-1.71	1025.37
5.9	29.40	-1.55	1023.63	12.6	31.29	-1.70	1025.16	20.1	31.55	-1.71	1025.37
6.0	29.58	-1.58	1023.77	12.7	31.30	-1.70	1025.17	20.2	31.55	-1.71	1025.37
6.2	29.61	-1.58	1023.80	12.8	31.31	-1.70	1025.18	20.4	31.57	-1.71	1025.39
6.3	29.60	-1.57	1023.79	12.9	31.31	-1.70	1025.18	20.5	31.57	-1.71	1025.39
6.4	29.75	-1.59	1023.91	13.1	31.32	-1.70	1025.19	20.6	31.57	-1.71	1025.39
6.5	29.97	-1.61	1024.09	13.2	31.32	-1.70	1025.19	20.7	31.58	-1.71	1025.40
6.7	30.07	-1.62	1024.17	13.3	31.33	-1.70	1025.20	20.8	31.60	-1.71	1025.42
6.8	30.16	-1.62	1024.24	13.4	31.33	-1.70	1025.20	21.0	31.61	-1.71	1025.42
6.9	30.21	-1.63	1024.28	13.6	31.34	-1.70	1025.20	21.1	31.61	-1.71	1025.42
7.0	30.25	-1.63	1024.32	13.7	31.34	-1.70	1025.20	21.2	31.61	-1.71	1025.42
7.1	30.20	-1.62	1024.28	13.8	31.35	-1.70	1025.21	21.3	31.62	-1.71	1025.43
7.3	30.26	-1.63	1024.33	13.9	31.36	-1.70	1025.22	21.5	31.62	-1.71	1025.43
7.4	30.35	-1.64	1024.40	14.1	31.36	-1.70	1025.22	21.6	31.62	-1.71	1025.43
7.5	30.45	-1.64	1024.48	14.2	31.36	-1.70	1025.22	21.7	31.63	-1.72	1025.44

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Table A1.33. Station 85009 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.8	31.64	-1.73	1025.45	26.3	31.78	-1.71	1025.56	30.6	32.03	-1.70	1025.76
21.9	31.63	-1.72	1025.44	26.4	31.79	-1.71	1025.57	30.7	32.03	-1.70	1025.76
22.1	31.65	-1.72	1025.46	26.5	31.79	-1.71	1025.57	30.8	32.05	-1.71	1025.78
22.2	31.65	-1.73	1025.46	26.6	31.80	-1.71	1025.58	30.9	32.05	-1.71	1025.78
22.3	31.66	-1.72	1025.46	26.8	31.79	-1.71	1025.57	31.1	32.05	-1.71	1025.78
22.4	31.65	-1.72	1025.46	26.9	31.80	-1.70	1025.58	31.2	32.06	-1.71	1025.79
22.6	31.66	-1.72	1025.46	27.0	31.81	-1.70	1025.59	31.3	32.07	-1.71	1025.80
22.7	31.67	-1.72	1025.47	27.1	31.82	-1.70	1025.59	31.4	32.07	-1.71	1025.80
22.9	31.67	-1.72	1025.47	27.2	31.83	-1.70	1025.60	31.6	32.08	-1.72	1025.81
23.1	31.67	-1.72	1025.47	27.4	31.83	-1.70	1025.60	31.7	32.09	-1.73	1025.81
23.2	31.68	-1.72	1025.48	27.5	31.85	-1.70	1025.62	31.8	32.09	-1.73	1025.81
23.3	31.69	-1.73	1025.49	27.6	31.84	-1.70	1025.61	32.1	32.10	-1.73	1025.82
23.4	31.70	-1.73	1025.50	27.7	31.85	-1.70	1025.62	32.2	32.10	-1.73	1025.82
23.6	31.70	-1.73	1025.50	27.9	31.85	-1.70	1025.62	32.3	32.10	-1.73	1025.82
23.7	31.69	-1.72	1025.49	28.0	31.86	-1.70	1025.63	32.9	32.10	-1.73	1025.82
23.8	31.70	-1.73	1025.50	28.1	31.87	-1.70	1025.63	33.0	32.10	-1.73	1025.82
23.9	31.70	-1.72	1025.50	28.2	31.88	-1.70	1025.64	33.2	32.10	-1.73	1025.82
24.0	31.71	-1.73	1025.50	28.3	31.89	-1.70	1025.65	33.3	32.11	-1.73	1025.83
24.2	31.72	-1.73	1025.51	28.5	31.90	-1.70	1025.66	33.4	32.11	-1.73	1025.83
24.3	31.70	-1.72	1025.50	28.6	31.90	-1.69	1025.66	33.5	32.11	-1.73	1025.83
24.4	31.72	-1.72	1025.51	28.7	31.91	-1.69	1025.67	33.7	32.11	-1.72	1025.83
24.5	31.72	-1.72	1025.51	28.9	31.91	-1.69	1025.67	33.8	32.11	-1.72	1025.83
24.7	31.73	-1.72	1025.52	29.0	31.93	-1.69	1025.68	33.9	32.12	-1.72	1025.84
24.8	31.73	-1.73	1025.52	29.1	31.94	-1.69	1025.69	34.0	32.12	-1.72	1025.84
24.9	31.73	-1.72	1025.52	29.2	31.95	-1.69	1025.70	34.1	32.11	-1.71	1025.83
25.0	31.74	-1.72	1025.53	29.4	31.96	-1.69	1025.71	34.3	32.12	-1.71	1025.84
25.1	31.74	-1.72	1025.53	29.5	31.96	-1.69	1025.71	34.4	32.13	-1.71	1025.85
25.3	31.74	-1.71	1025.53	29.6	31.97	-1.70	1025.72	34.5	32.12	-1.70	1025.84
25.4	31.74	-1.71	1025.53	29.7	31.99	-1.70	1025.73	34.8	32.14	-1.71	1025.85
25.5	31.76	-1.71	1025.55	29.8	31.98	-1.70	1025.72	34.9	32.13	-1.70	1025.85
25.6	31.76	-1.71	1025.55	30.0	31.98	-1.70	1025.72	35.0	32.13	-1.70	1025.85
25.8	31.76	-1.71	1025.55	30.1	31.99	-1.70	1025.73	35.1	32.13	-1.70	1025.85
25.9	31.77	-1.71	1025.55	30.2	32.01	-1.70	1025.75	35.3	32.13	-1.70	1025.85
26.0	31.78	-1.71	1025.56	30.3	32.02	-1.70	1025.76				
26.1	31.78	-1.71	1025.56	30.5	32.02	-1.70	1025.76				

Station: 85010 Date: May 18

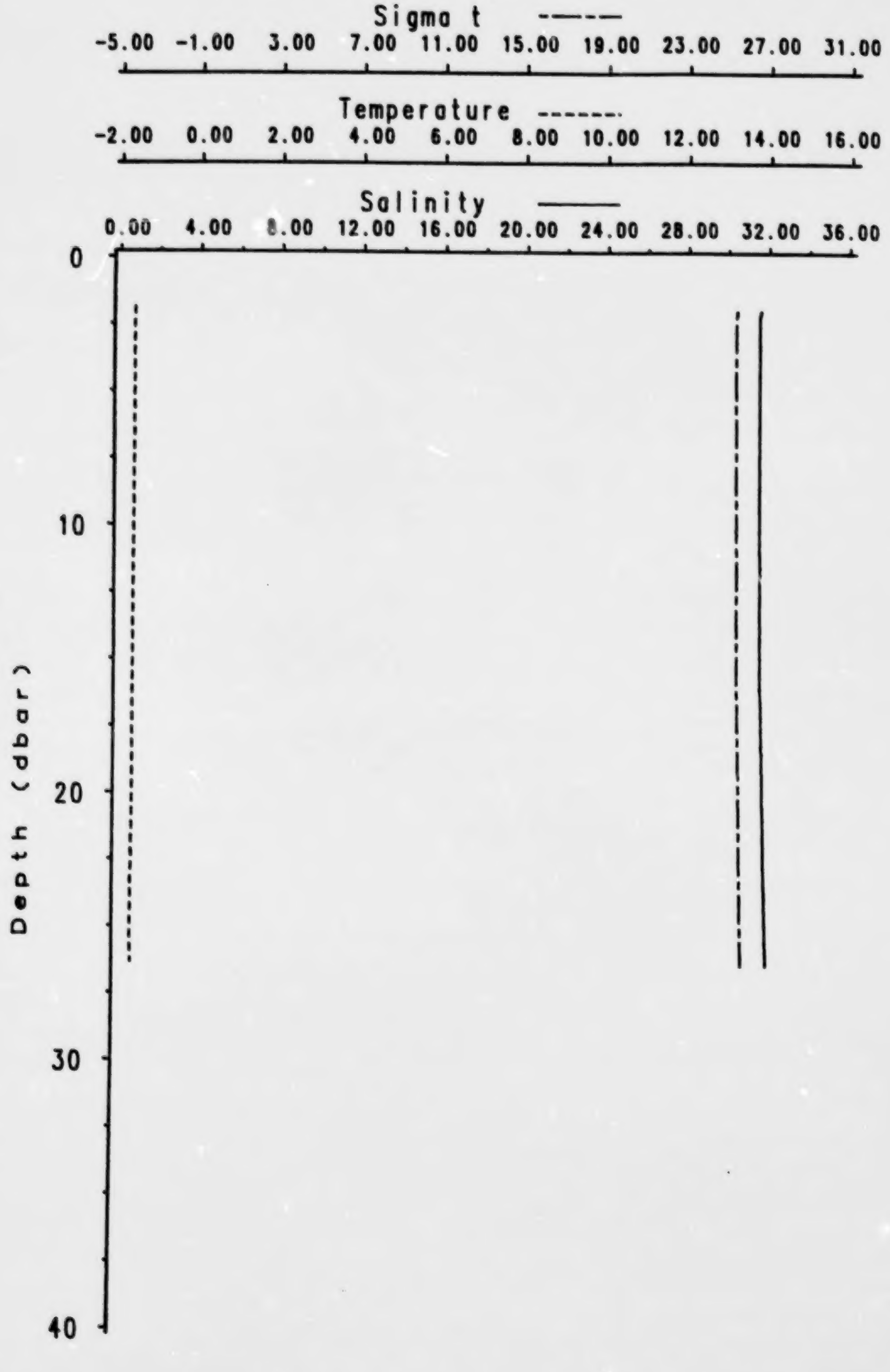

Table A1.34. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85010, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	31.39	-1.71	1025.24	7.7	31.38	-1.72	1025.24	13.7	31.47	-1.72	1025.31
2.0	31.38	-1.71	1025.24	7.8	31.39	-1.72	1025.24	13.8	31.48	-1.73	1025.32
2.1	31.34	-1.71	1025.20	7.9	31.39	-1.72	1025.24	13.9	31.48	-1.73	1025.32
2.2	31.34	-1.71	1025.20	8.0	31.39	-1.72	1025.24	14.1	31.48	-1.72	1025.32
2.4	31.35	-1.72	1025.21	8.1	31.39	-1.72	1025.24	14.2	31.48	-1.72	1025.32
2.5	31.35	-1.72	1025.21	8.3	31.39	-1.72	1025.24	14.3	31.47	-1.73	1025.31
2.6	31.34	-1.71	1025.20	8.4	31.39	-1.72	1025.24	14.4	31.48	-1.73	1025.32
2.7	31.34	-1.71	1025.20	8.5	31.40	-1.72	1025.25	14.6	31.46	-1.72	1025.30
2.8	31.33	-1.71	1025.20	8.6	31.39	-1.72	1025.24	14.7	31.49	-1.73	1025.33
3.0	31.34	-1.71	1025.20	8.8	31.41	-1.72	1025.26	14.9	31.49	-1.73	1025.33
3.1	31.35	-1.72	1025.21	8.9	31.40	-1.72	1025.25	15.0	31.49	-1.73	1025.33
3.2	31.35	-1.71	1025.21	9.0	31.41	-1.72	1025.26	15.2	31.49	-1.72	1025.33
3.3	31.36	-1.72	1025.22	9.1	31.41	-1.72	1025.26	15.3	31.50	-1.73	1025.33
3.5	31.35	-1.72	1025.21	9.2	31.41	-1.71	1025.26	15.4	31.50	-1.73	1025.33
3.6	31.36	-1.72	1025.22	9.4	31.41	-1.72	1025.26	15.5	31.49	-1.72	1025.33
3.7	31.35	-1.72	1025.21	9.5	31.42	-1.72	1025.27	15.7	31.48	-1.72	1025.32
3.8	31.35	-1.72	1025.21	9.7	31.42	-1.72	1025.27	15.8	31.50	-1.73	1025.33
3.9	31.35	-1.71	1025.21	9.9	31.43	-1.73	1025.28	15.9	31.50	-1.72	1025.33
4.1	31.35	-1.71	1025.21	10.0	31.42	-1.72	1025.27	16.0	31.48	-1.72	1025.32
4.2	31.35	-1.71	1025.21	10.1	31.41	-1.72	1025.26	16.1	31.51	-1.72	1025.34
4.3	31.35	-1.72	1025.21	10.2	31.42	-1.72	1025.27	16.3	31.53	-1.72	1025.36
4.4	31.35	-1.71	1025.21	10.3	31.43	-1.72	1025.28	16.4	31.54	-1.72	1025.37
4.6	31.35	-1.71	1025.21	10.5	31.43	-1.72	1025.28	16.5	31.55	-1.72	1025.37
4.7	31.35	-1.72	1025.21	10.9	31.43	-1.72	1025.28	16.7	31.56	-1.73	1025.38
4.8	31.36	-1.73	1025.22	11.0	31.44	-1.73	1025.29	16.8	31.56	-1.72	1025.38
4.9	31.36	-1.71	1025.22	11.1	31.45	-1.73	1025.29	16.9	31.56	-1.72	1025.38
5.1	31.37	-1.72	1025.23	11.2	31.45	-1.73	1025.29	17.0	31.55	-1.72	1025.37
5.2	31.35	-1.72	1025.21	11.4	31.46	-1.72	1025.30	17.1	31.56	-1.72	1025.38
5.3	31.37	-1.72	1025.23	11.5	31.46	-1.73	1025.30	17.3	31.57	-1.72	1025.39
5.4	31.36	-1.71	1025.22	11.6	31.45	-1.73	1025.29	17.4	31.57	-1.72	1025.39
5.6	31.36	-1.71	1025.22	11.7	31.45	-1.73	1025.29	17.5	31.57	-1.72	1025.39
5.7	31.36	-1.71	1025.22	11.8	31.46	-1.73	1025.30	17.6	31.57	-1.72	1025.39
5.8	31.36	-1.72	1025.22	12.0	31.46	-1.72	1025.30	17.8	31.59	-1.72	1025.41
5.9	31.38	-1.72	1025.24	12.1	31.46	-1.72	1025.30	17.9	31.59	-1.72	1025.41
6.0	31.37	-1.72	1025.23	12.2	31.46	-1.73	1025.30	18.0	31.59	-1.72	1025.41
6.2	31.37	-1.72	1025.23	12.3	31.46	-1.73	1025.30	18.1	31.60	-1.72	1025.42
6.3	31.38	-1.72	1025.24	12.5	31.46	-1.73	1025.30	18.2	31.58	-1.71	1025.40
6.4	31.37	-1.71	1025.23	12.6	31.46	-1.73	1025.30	18.4	31.60	-1.72	1025.42
6.5	31.37	-1.71	1025.23	12.7	31.46	-1.73	1025.30	18.5	31.62	-1.72	1025.43
6.7	31.37	-1.71	1025.23	12.8	31.46	-1.72	1025.30	18.7	31.62	-1.71	1025.43
6.8	31.37	-1.71	1025.23	12.9	31.46	-1.72	1025.30	18.9	31.62	-1.71	1025.43
6.9	31.38	-1.72	1025.24	13.1	31.46	-1.72	1025.30	19.0	31.63	-1.71	1025.44
7.1	31.39	-1.72	1025.24	13.2	31.46	-1.73	1025.30	19.1	31.63	-1.71	1025.44
7.3	31.39	-1.72	1025.24	13.3	31.46	-1.72	1025.30	19.2	31.63	-1.71	1025.44
7.4	31.39	-1.71	1025.24	13.4	31.47	-1.72	1025.31	19.3	31.65	-1.71	1025.46
7.5	31.39	-1.72	1025.24	13.6	31.47	-1.73	1025.31	19.6	31.65	-1.71	1025.46

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Table A1.34. Station 85010 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
19.7	31.66	-1.71	1025.46	21.8	31.71	-1.72	1025.50	24.5	31.82	-1.73	1025.59
19.9	31.65	-1.71	1025.46	21.9	31.72	-1.72	1025.51	24.7	31.82	-1.73	1025.59
20.0	31.66	-1.71	1025.46	22.1	31.72	-1.72	1025.51	24.8	31.83	-1.73	1025.60
20.1	31.66	-1.71	1025.46	22.2	31.72	-1.72	1025.51	24.9	31.83	-1.73	1025.60
20.2	31.66	-1.71	1025.46	22.3	31.72	-1.71	1025.51	25.0	31.84	-1.73	1025.61
20.4	31.67	-1.71	1025.47	23.2	31.77	-1.73	1025.55	25.1	31.84	-1.73	1025.61
20.5	31.68	-1.71	1025.48	23.3	31.77	-1.73	1025.55	25.3	31.85	-1.73	1025.62
20.6	31.69	-1.71	1025.49	23.4	31.77	-1.73	1025.55	25.4	31.85	-1.73	1025.62
20.7	31.69	-1.71	1025.49	23.6	31.78	-1.73	1025.56	25.5	31.85	-1.73	1025.62
20.8	31.69	-1.71	1025.49	23.7	31.79	-1.72	1025.57	25.6	31.85	-1.73	1025.62
21.0	31.70	-1.72	1025.50	23.8	31.79	-1.72	1025.57	25.8	31.88	-1.72	1025.64
21.1	31.70	-1.72	1025.50	23.9	31.80	-1.72	1025.58	25.9	31.86	-1.71	1025.63
21.2	31.68	-1.71	1025.48	24.0	31.80	-1.72	1025.58	26.0	31.88	-1.71	1025.64
21.3	31.70	-1.71	1025.50	24.2	31.80	-1.72	1025.58	26.1	31.89	-1.71	1025.65
21.6	31.71	-1.72	1025.50	24.3	31.80	-1.72	1025.58	26.3	31.89	-1.70	1025.65
21.7	31.70	-1.72	1025.50	24.4	31.81	-1.72	1025.59	26.4	31.88	-1.70	1025.64

Station: 85011 Date: May 18

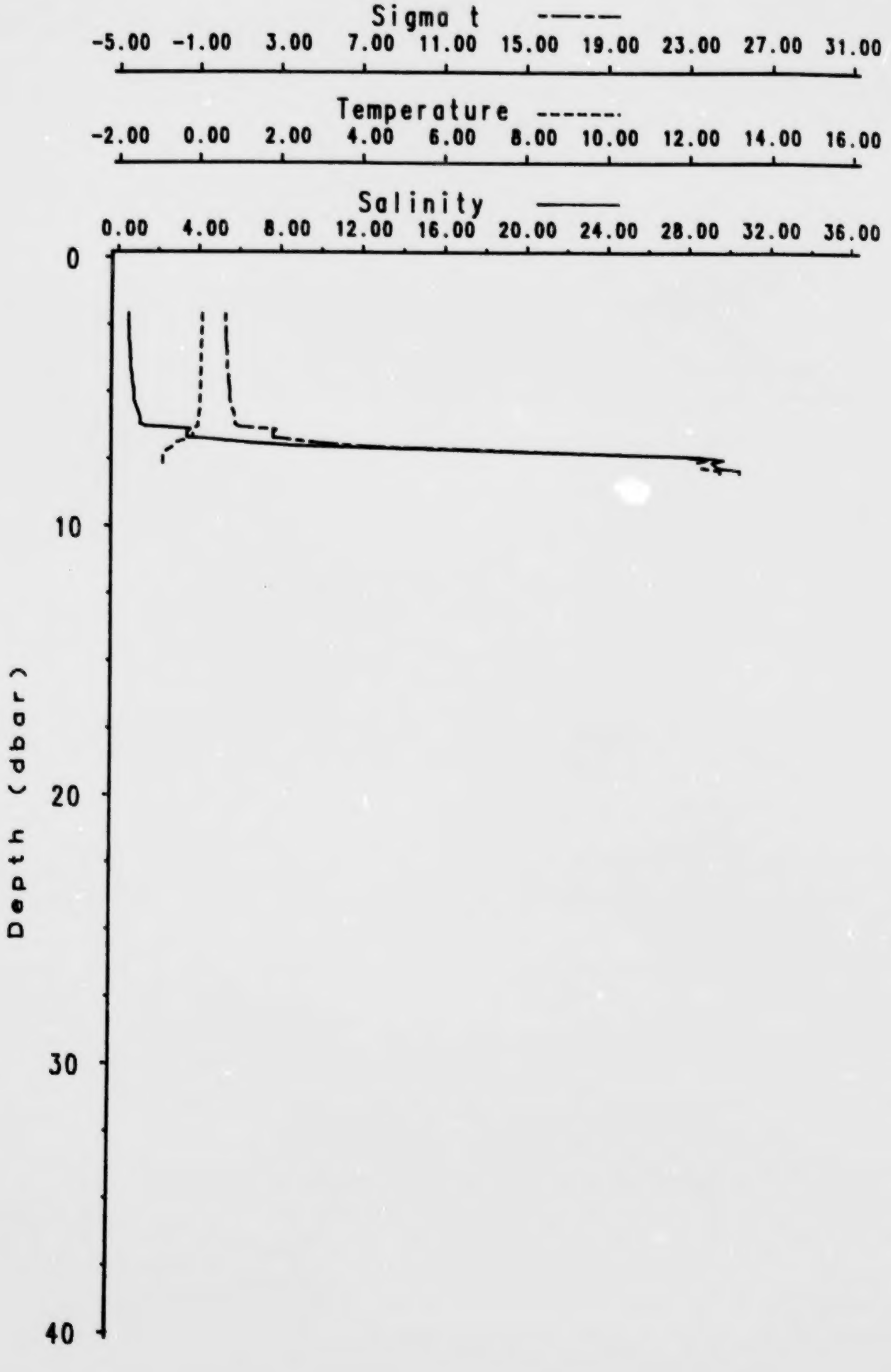


Table A1.35. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85011, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.1	0.34	-0.02	1000.12	4.1	0.47	-0.04	1000.23	6.0	0.98	-0.10	1000.64
2.2	0.34	-0.02	1000.12	4.2	0.49	-0.04	1000.24	6.2	0.97	-0.11	1000.63
2.4	0.34	-0.02	1000.12	4.3	0.52	-0.04	1000.27	6.3	1.18	-0.11	1000.80
2.5	0.35	-0.02	1000.13	4.4	0.56	-0.05	1000.30	6.4	3.46	-0.23	1002.65
2.6	0.36	-0.02	1000.14	4.6	0.55	-0.04	1000.29	6.5	3.28	-0.23	1002.50
2.7	0.38	-0.03	1000.15	4.7	0.58	-0.04	1000.32	6.7	3.28	-0.24	1002.50
2.8	0.37	-0.02	1000.15	4.8	0.61	-0.04	1000.34	6.8	4.94	-0.44	1003.84
3.0	0.37	-0.02	1000.15	4.9	0.64	-0.05	1000.36	6.9	6.27	-0.63	1004.91
3.1	0.39	-0.03	1000.16	5.1	0.66	-0.05	1000.38	7.0	8.77	-0.67	1006.93
3.2	0.41	-0.04	1000.18	5.2	0.64	-0.06	1000.36	7.3	28.33	-0.97	1022.75
3.3	0.43	-0.03	1000.19	5.3	0.63	-0.05	1000.36	7.4	29.56	-0.97	1023.75
3.5	0.46	-0.04	1000.22	5.4	0.68	-0.06	1000.40	7.5	29.00	-0.97	1023.29
3.7	0.47	-0.04	1000.23	5.6	0.78	-0.06	1000.48	7.7	29.31	-0.97	1023.54
3.8	0.47	-0.04	1000.23	5.7	0.84	-0.07	1000.53	7.8	30.39	-0.97	1024.42
3.9	0.47	-0.04	1000.23	5.8	0.88	-0.08	1000.56	7.9	30.36	-0.97	1024.39

Station: 85012 Date: May 18

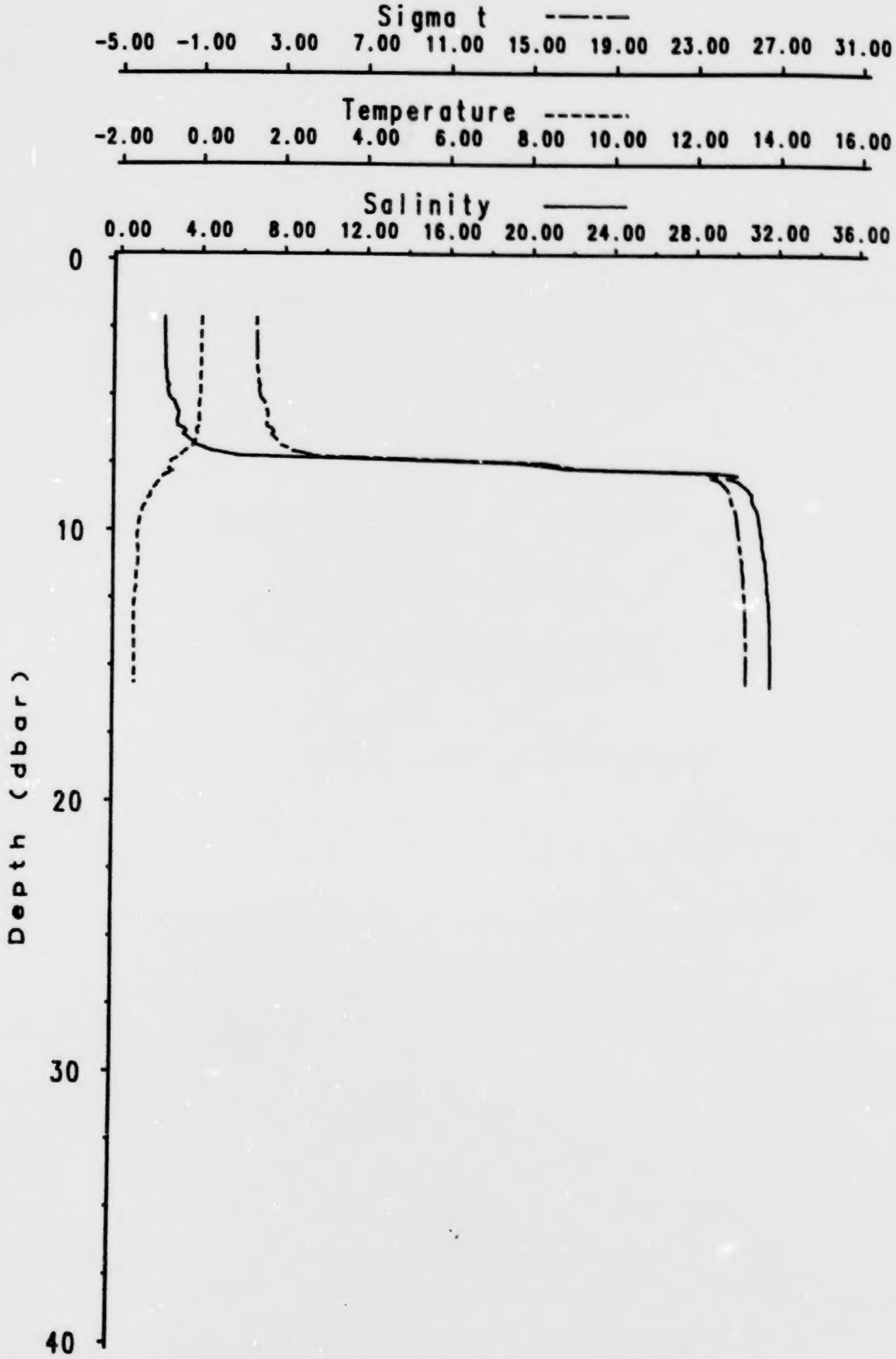


Table A1.36. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85012, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.2	1.99	-0.11	1001.46	6.4	3.06	-0.22	1002.33	11.1	31.31	-1.62	1025.18
2.4	1.99	-0.11	1001.46	6.5	2.93	-0.19	1002.22	11.4	31.32	-1.64	1025.19
2.5	2.00	-0.12	1001.47	6.9	3.54	-0.30	1002.71	11.5	31.36	-1.65	1025.22
2.6	2.00	-0.12	1001.47	7.0	3.94	-0.38	1003.03	11.6	31.38	-1.67	1025.24
2.7	2.01	-0.12	1001.48	7.1	4.24	-0.48	1003.27	11.7	31.38	-1.67	1025.24
2.8	2.02	-0.12	1001.49	7.3	5.65	-0.61	1004.41	11.8	31.40	-1.67	1025.25
3.0	2.02	-0.12	1001.49	7.5	19.35	-0.84	1015.49	12.0	31.41	-1.67	1025.26
3.1	2.02	-0.12	1001.49	7.7	21.49	-0.85	1017.22	12.1	31.41	-1.67	1025.26
3.2	2.02	-0.12	1001.49	7.8	28.86	-0.90	1023.18	12.2	31.41	-1.67	1025.26
3.3	2.04	-0.12	1001.50	7.9	29.91	-0.76	1024.02	12.3	31.46	-1.69	1025.30
3.5	2.02	-0.12	1001.49	8.0	29.43	-0.98	1023.64	12.5	31.48	-1.70	1025.32
3.6	2.04	-0.12	1001.50	8.1	29.93	-1.04	1024.05	12.6	31.50	-1.70	1025.33
3.7	2.03	-0.12	1001.49	8.3	30.25	-1.16	1024.31	12.7	31.51	-1.71	1025.34
3.8	2.03	-0.12	1001.49	8.4	30.40	-1.20	1024.43	12.8	31.52	-1.72	1025.35
3.9	2.04	-0.12	1001.50	8.5	30.50	-1.25	1024.51	12.9	31.52	-1.71	1025.35
4.1	2.06	-0.12	1001.52	8.6	30.63	-1.33	1024.62	13.1	31.53	-1.72	1025.36
4.2	2.10	-0.12	1001.55	8.8	30.60	-1.34	1024.60	13.2	31.55	-1.72	1025.37
4.3	2.11	-0.13	1001.56	8.9	30.67	-1.40	1024.65	13.3	31.55	-1.72	1025.37
4.4	2.12	-0.12	1001.57	9.0	30.73	-1.43	1024.70	13.4	31.56	-1.72	1025.38
4.6	2.14	-0.13	1001.58	9.1	30.82	-1.46	1024.78	13.6	31.57	-1.73	1025.39
4.7	2.23	-0.13	1001.66	9.2	30.89	-1.51	1024.83	13.7	31.56	-1.71	1025.38
4.8	2.16	-0.13	1001.60	9.4	30.94	-1.55	1024.88	13.8	31.57	-1.71	1025.39
4.9	2.17	-0.13	1001.61	9.5	30.97	-1.58	1024.90	14.1	31.58	-1.70	1025.40
5.1	2.23	-0.13	1001.66	9.6	30.98	-1.59	1024.91	14.2	31.59	-1.70	1025.41
5.2	2.33	-0.15	1001.74	9.7	31.01	-1.60	1024.93	14.4	31.59	-1.70	1025.41
5.3	2.48	-0.15	1001.86	9.9	31.05	-1.62	1024.97	14.6	31.59	-1.70	1025.41
5.4	2.54	-0.16	1001.91	10.0	31.07	-1.62	1024.98	14.7	31.59	-1.70	1025.41
5.6	2.63	-0.17	1001.98	10.1	31.09	-1.63	1025.00	14.8	31.59	-1.69	1025.41
5.7	2.71	-0.17	1002.04	10.2	31.12	-1.65	1025.02	14.9	31.59	-1.69	1025.41
5.8	2.69	-0.16	1002.03	10.3	31.14	-1.64	1025.04	15.2	31.59	-1.69	1025.41
5.9	2.66	-0.16	1002.00	10.6	31.16	-1.64	1025.06	15.3	31.59	-1.70	1025.41
6.0	2.61	-0.15	1001.96	10.7	31.21	-1.62	1025.10	15.4	31.59	-1.69	1025.41
6.2	2.66	-0.16	1002.00	10.9	31.23	-1.61	1025.11	15.5	31.59	-1.69	1025.41
6.3	2.94	-0.22	1002.23	11.0	31.28	-1.62	1025.15	15.7	31.60	-1.69	1025.41

Station: 85013 Date: May 18

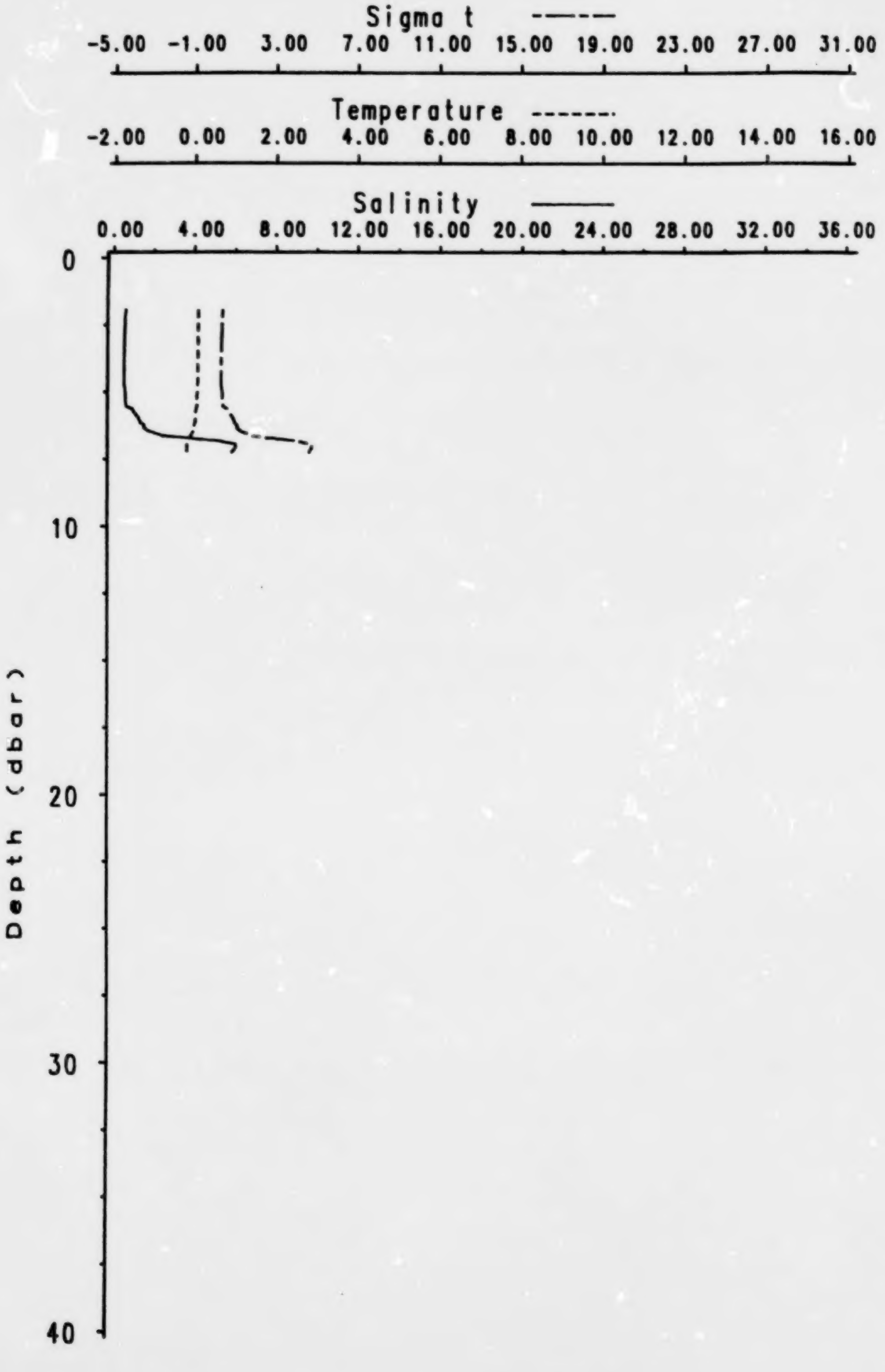


Table A1.37. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85013, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	0.40	-0.02	1000.17	3.7	0.32	-0.02	1000.10	5.8	0.82	-0.07	1000.51
2.1	0.40	-0.02	1000.17	3.9	0.32	-0.02	1000.10	5.9	0.93	-0.07	1000.60
2.2	0.37	-0.02	1000.15	4.1	0.32	-0.03	1000.10	6.0	1.04	-0.08	1000.69
2.4	0.38	-0.02	1000.15	4.2	0.33	-0.02	1000.11	6.2	1.16	-0.09	1000.79
2.5	0.36	-0.02	1000.14	4.3	0.33	-0.02	1000.11	6.3	1.33	-0.11	1000.92
2.6	0.36	-0.02	1000.14	4.4	0.33	-0.02	1000.11	6.4	1.33	-0.11	1000.92
2.7	0.35	-0.02	1000.13	4.7	0.34	-0.02	1000.12	6.5	1.50	-0.12	1001.06
2.8	0.34	-0.02	1000.12	4.8	0.35	-0.03	1000.13	6.7	2.25	-0.19	1001.67
3.0	0.33	-0.02	1000.11	5.1	0.41	-0.03	1000.18	6.8	3.74	-0.26	1002.88
3.1	0.33	-0.02	1000.11	5.2	0.42	-0.04	1000.18	6.9	5.11	-0.29	1003.99
3.2	0.33	-0.02	1000.11	5.3	0.43	-0.04	1000.19	7.0	5.83	-0.29	1004.57
3.3	0.32	-0.02	1000.10	5.4	0.43	-0.04	1000.19	7.1	5.84	-0.29	1004.58
3.5	0.32	-0.02	1000.10	5.6	0.46	-0.04	1000.22	7.3	5.65	-0.29	1004.43
3.6	0.32	-0.02	1000.10	5.7	0.75	-0.06	1000.45				

Station: 85014 Date: May 18

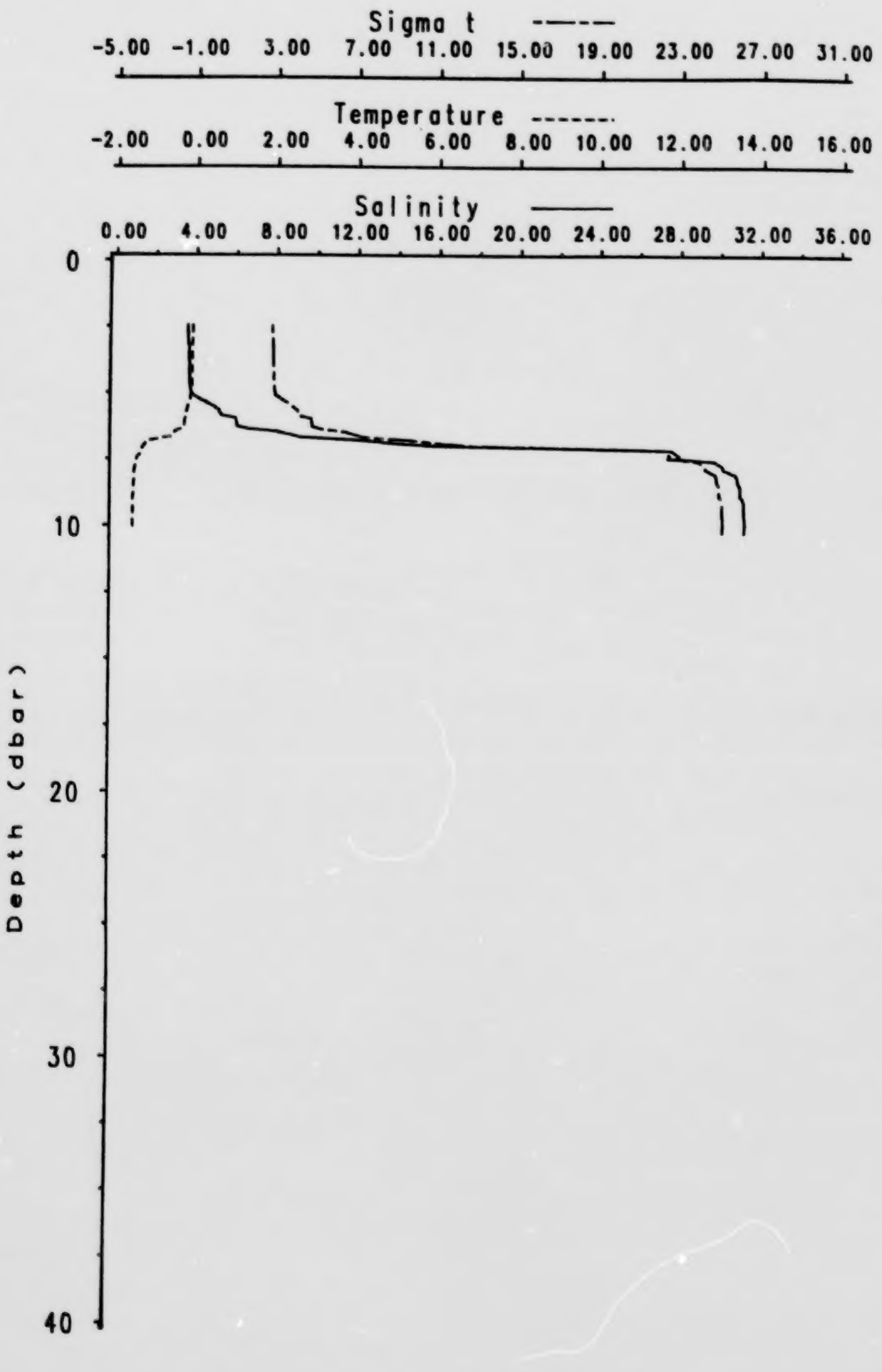


Table A1.38. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85014, May 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.5	3.38	-0.19	1002.59	5.4	4.34	-0.28	1003.36	7.9	30.30	-1.60	1024.36
2.6	3.38	-0.19	1002.59	5.6	4.79	-0.30	1003.73	8.0	30.62	-1.61	1024.62
2.8	3.40	-0.20	1002.60	5.7	4.97	-0.32	1003.87	8.1	30.71	-1.61	1024.69
3.1	3.43	-0.20	1002.63	5.8	5.02	-0.33	1003.91	8.3	30.75	-1.61	1024.72
3.2	3.44	-0.20	1002.64	5.9	5.12	-0.33	1003.99	8.4	30.83	-1.62	1024.79
3.3	3.46	-0.20	1002.65	6.0	5.81	-0.36	1004.55	8.5	30.88	-1.63	1024.83
3.5	3.45	-0.20	1002.64	6.2	5.88	-0.38	1004.61	8.6	30.87	-1.63	1024.82
3.6	3.46	-0.20	1002.65	6.3	5.89	-0.38	1004.62	8.8	30.87	-1.63	1024.82
3.7	3.46	-0.20	1002.65	6.4	6.47	-0.45	1005.08	8.9	30.99	-1.63	1024.92
3.8	3.46	-0.20	1002.65	6.5	7.93	-0.59	1006.26	9.0	31.04	-1.64	1024.96
3.9	3.48	-0.20	1002.67	6.7	9.04	-0.69	1007.15	9.1	31.06	-1.64	1024.98
4.2	3.48	-0.20	1002.67	6.8	11.98	-1.03	1009.52	9.2	31.07	-1.63	1024.98
4.3	3.49	-0.20	1002.68	6.9	13.38	-1.34	1010.64	9.4	31.08	-1.64	1024.99
4.4	3.50	-0.20	1002.69	7.0	15.61	-1.34	1012.45	9.5	31.08	-1.64	1024.99
4.6	3.51	-0.20	1002.69	7.1	27.44	-1.40	1022.03	9.6	31.09	-1.64	1025.00
4.7	3.52	-0.20	1002.70	7.3	27.81	-1.48	1022.34	9.7	31.11	-1.64	1025.02
4.8	3.54	-0.21	1002.72	7.4	27.70	-1.48	1022.25	9.9	31.11	-1.64	1025.02
4.9	3.54	-0.21	1002.72	7.5	29.59	-1.54	1023.78	10.0	31.11	-1.64	1025.02
5.1	3.61	-0.22	1002.77	7.7	29.98	-1.59	1024.10	10.1	31.09	-1.63	1025.00
5.3	4.02	-0.24	1003.11	7.8	30.03	-1.59	1024.14	10.2	31.07	-1.63	1024.98

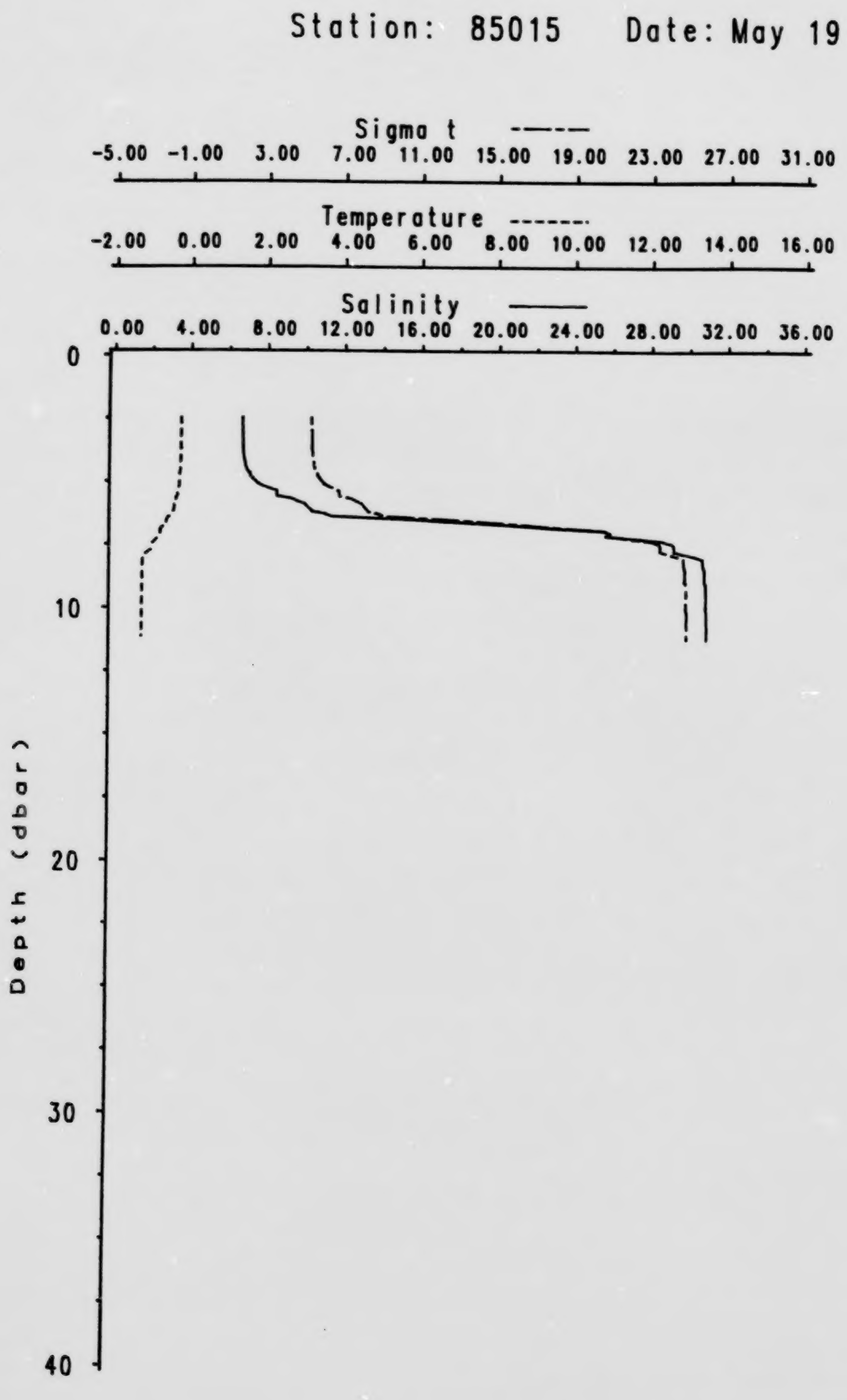

Station: 85015 Date: May 19
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.39. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85015, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.5	6.48	-0.36	1005.09	5.2	7.56	-0.40	1005.97	8.3	30.58	-1.34	1024.58
2.6	6.49	-0.35	1005.10	5.3	7.91	-0.41	1006.25	8.4	30.63	-1.35	1024.62
2.7	6.48	-0.36	1005.09	5.4	8.32	-0.44	1006.58	8.5	30.66	-1.34	1024.64
2.8	6.50	-0.36	1005.11	5.6	8.34	-0.44	1006.60	8.8	30.64	-1.35	1024.63
3.0	6.51	-0.36	1005.12	5.7	9.10	-0.47	1007.21	8.9	30.63	-1.35	1024.62
3.1	6.52	-0.36	1005.13	5.8	9.39	-0.48	1007.44	9.0	30.73	-1.35	1024.70
3.2	6.53	-0.36	1005.14	5.9	9.76	-0.52	1007.74	9.2	30.74	-1.35	1024.71
3.3	6.52	-0.36	1005.13	6.2	10.18	-0.54	1008.08	9.4	30.75	-1.35	1024.72
3.5	6.54	-0.36	1005.14	6.3	10.87	-0.62	1008.64	9.6	30.76	-1.35	1024.73
3.6	6.54	-0.36	1005.14	6.4	11.20	-0.63	1008.90	9.7	30.74	-1.35	1024.71
3.7	6.54	-0.36	1005.14	6.5	14.95	-0.70	1011.93	9.9	30.73	-1.35	1024.70
3.8	6.55	-0.36	1005.15	6.7	20.35	-0.74	1016.30	10.0	30.74	-1.35	1024.71
3.9	6.57	-0.36	1005.17	6.8	22.58	-0.78	1018.10	10.1	30.78	-1.35	1024.74
4.1	6.59	-0.36	1005.18	6.9	25.45	-0.86	1020.42	10.2	30.79	-1.35	1024.75
4.2	6.63	-0.36	1005.22	7.0	25.71	-0.89	1020.63	10.3	30.77	-1.35	1024.73
4.3	6.66	-0.37	1005.24	7.1	25.53	-0.89	1020.48	10.5	30.78	-1.35	1024.74
4.4	6.67	-0.37	1005.25	7.3	28.46	-0.97	1022.85	10.7	30.80	-1.35	1024.76
4.6	6.77	-0.37	1005.33	7.4	28.95	-1.01	1023.25	10.9	30.79	-1.35	1024.75
4.7	6.91	-0.38	1005.44	7.5	29.05	-1.09	1023.33	11.1	30.78	-1.35	1024.74
4.8	6.93	-0.38	1005.46	7.7	29.04	-1.10	1023.33	11.2	30.78	-1.35	1024.74
4.9	7.04	-0.39	1005.55	7.9	30.15	-1.23	1024.23				
5.1	7.31	-0.40	1005.76	8.0	30.54	-1.34	1024.55				

Station: 85016 Date: May 19

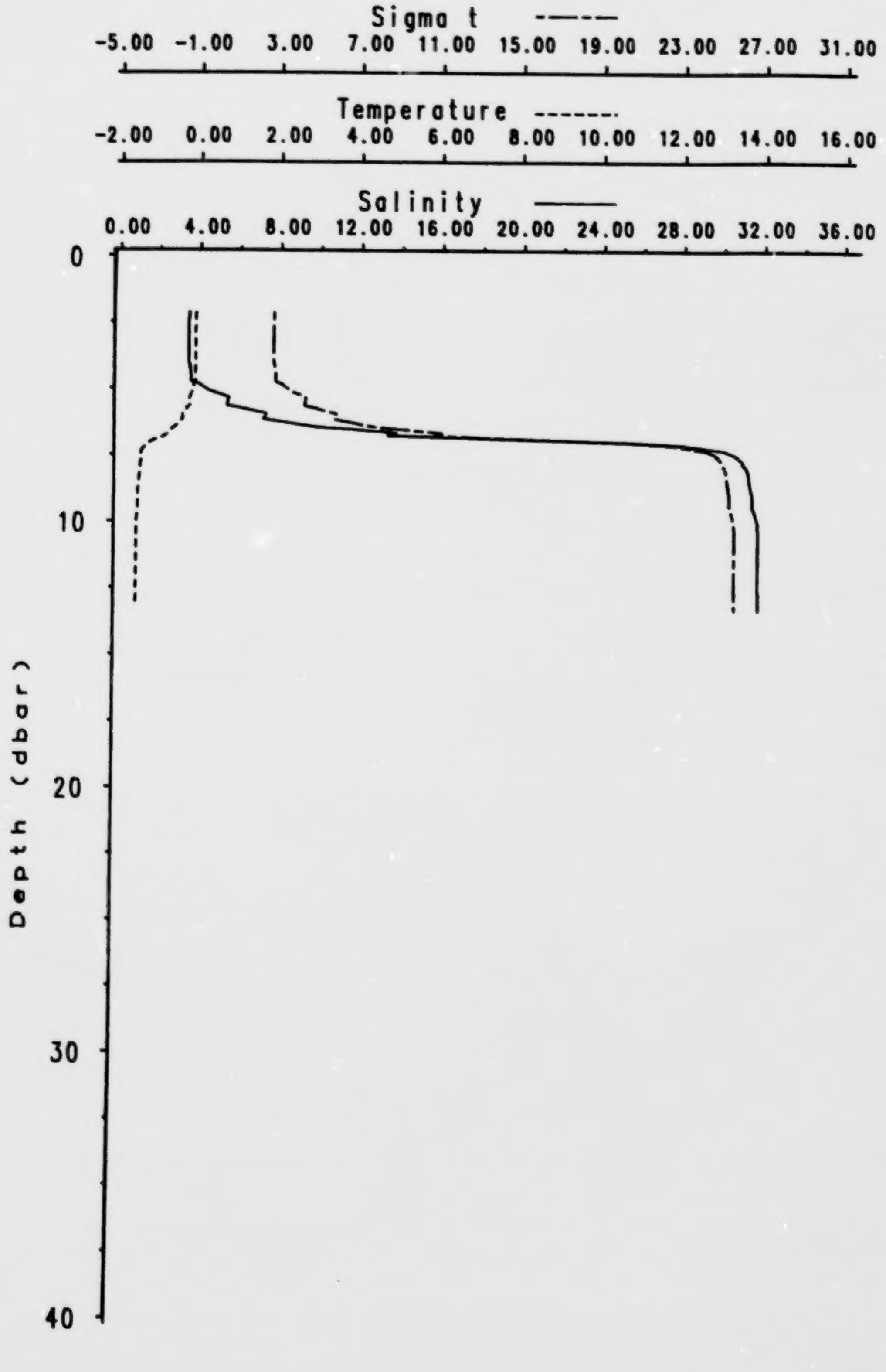


Table A1.40. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85016, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.2	3.30	-0.19	1002.52	5.6	5.23	-0.33	1004.08	9.2	31.29	-1.61	1025.16
2.4	3.29	-0.19	1002.52	5.7	5.23	-0.32	1004.08	9.4	31.29	-1.61	1025.16
2.5	3.27	-0.19	1002.50	5.8	5.96	-0.40	1004.67	10.0	31.57	-1.64	1025.39
2.6	3.27	-0.19	1002.50	6.0	7.16	-0.51	1005.64	10.1	31.57	-1.64	1025.39
2.7	3.27	-0.19	1002.50	6.2	7.04	-0.51	1005.54	10.2	31.57	-1.64	1025.39
2.8	3.27	-0.20	1002.50	6.4	8.75	-0.62	1006.92	10.3	31.59	-1.64	1025.41
3.0	3.27	-0.19	1002.50	6.5	9.68	-0.69	1007.67	10.5	31.59	-1.64	1025.41
3.1	3.27	-0.19	1002.50	6.7	13.61	-0.86	1010.84	10.6	31.59	-1.64	1025.41
3.2	3.27	-0.19	1002.50	6.8	13.20	-0.90	1010.51	10.7	31.59	-1.64	1025.41
3.3	3.27	-0.19	1002.50	6.9	18.34	-1.00	1014.67	10.9	31.59	-1.64	1025.41
3.5	3.27	-0.19	1002.50	7.0	25.30	-1.20	1020.30	11.0	31.59	-1.64	1025.41
3.6	3.27	-0.19	1002.50	7.1	27.92	-1.32	1022.42	11.1	31.57	-1.64	1025.39
3.7	3.27	-0.20	1002.50	7.3	29.88	-1.47	1024.01	11.2	31.58	-1.64	1025.40
3.8	3.27	-0.20	1002.50	7.4	30.25	-1.52	1024.32	11.4	31.59	-1.64	1025.41
3.9	3.29	-0.20	1002.51	7.5	30.49	-1.54	1024.51	11.5	31.60	-1.64	1025.41
4.1	3.30	-0.20	1002.52	7.7	30.80	-1.54	1024.76	11.6	31.60	-1.64	1025.41
4.2	3.33	-0.20	1002.55	7.8	30.79	-1.54	1024.75	12.3	31.60	-1.64	1025.41
4.3	3.36	-0.20	1002.57	7.9	30.94	-1.55	1024.88	12.5	31.60	-1.64	1025.41
4.4	3.39	-0.20	1002.60	8.0	31.01	-1.55	1024.93	12.6	31.60	-1.64	1025.41
4.6	3.42	-0.21	1002.62	8.1	31.06	-1.56	1024.97	12.7	31.62	-1.64	1025.43
4.7	3.39	-0.20	1002.60	8.3	31.11	-1.57	1025.01	12.8	31.60	-1.64	1025.41
4.8	3.43	-0.20	1002.63	8.4	31.12	-1.58	1025.02	12.9	31.60	-1.64	1025.41
4.9	3.80	-0.24	1002.93	8.5	31.14	-1.58	1025.04	13.1	31.60	-1.64	1025.41
5.1	4.19	-0.25	1003.24	8.6	31.16	-1.60	1025.06	13.2	31.62	-1.64	1025.43
5.2	4.54	-0.28	1003.53	8.8	31.21	-1.60	1025.10	13.3	31.61	-1.64	1025.42
5.3	4.94	-0.30	1003.85	8.9	31.27	-1.61	1025.15				
5.4	5.29	-0.34	1004.13	9.1	31.30	-1.61	1025.17				

Station: 85017 Date: May 19

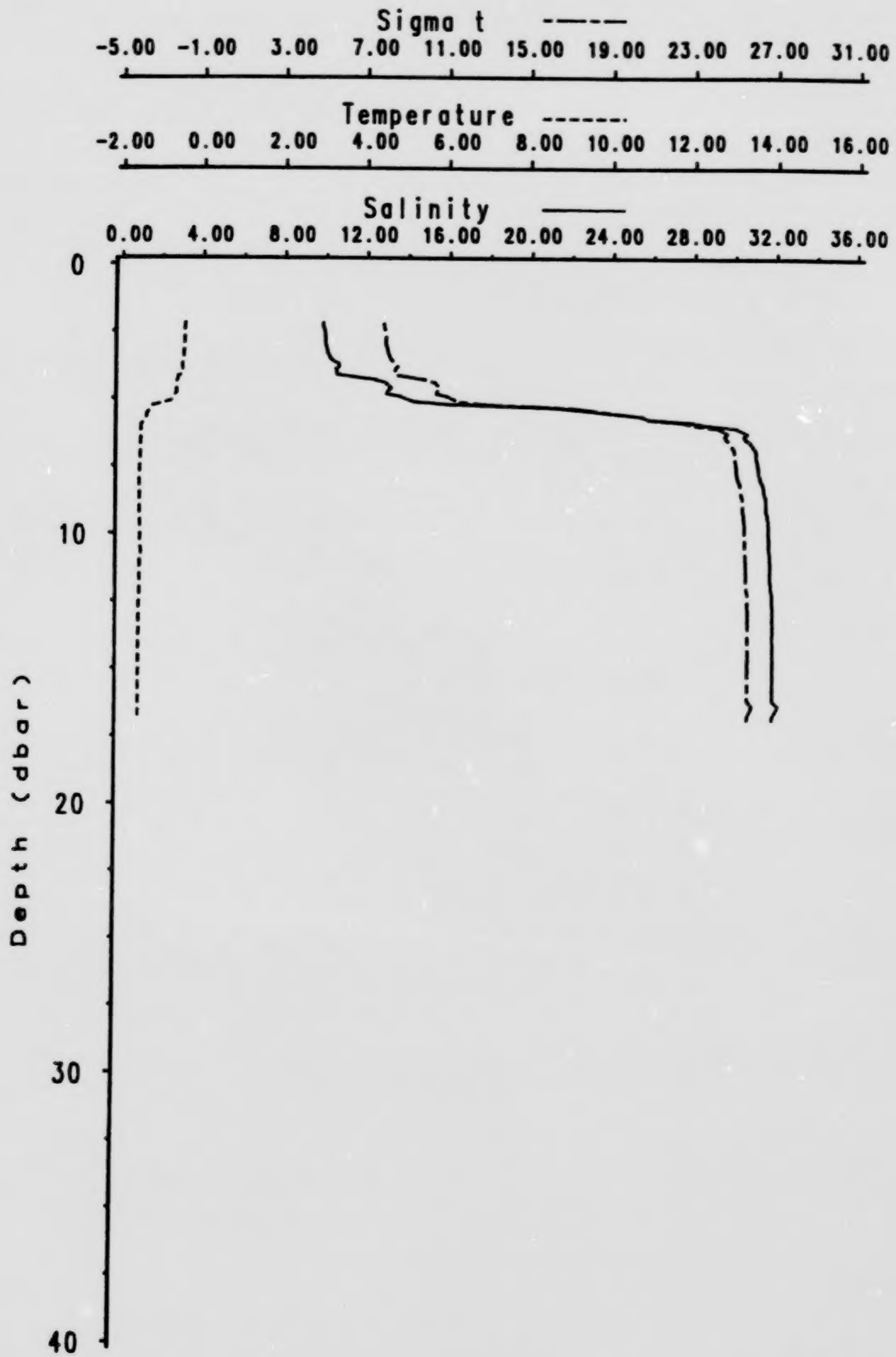


Table A1.41. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85017, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.2	9.67	-0.53	1007.67	7.1	30.88	-1.60	1024.83	12.0	31.67	-1.59	1025.47
2.4	9.71	-0.54	1007.70	7.3	30.96	-1.60	1024.89	12.1	31.70	-1.60	1025.49
2.5	9.78	-0.54	1007.76	7.4	30.97	-1.60	1024.90	12.2	31.73	-1.60	1025.52
2.6	9.79	-0.54	1007.77	7.5	31.00	-1.61	1024.93	12.3	31.72	-1.60	1025.51
2.7	9.81	-0.54	1007.78	7.7	31.02	-1.61	1024.94	12.5	31.74	-1.60	1025.53
2.8	9.80	-0.54	1007.77	7.8	31.06	-1.61	1024.97	12.6	31.75	-1.61	1025.53
3.0	9.80	-0.54	1007.77	7.9	31.09	-1.62	1025.00	12.7	31.76	-1.60	1025.54
3.1	9.87	-0.55	1007.83	8.0	31.16	-1.62	1025.06	12.8	31.76	-1.61	1025.54
3.2	9.90	-0.56	1007.85	8.1	31.23	-1.62	1025.11	12.9	31.76	-1.60	1025.54
3.3	9.92	-0.56	1007.87	8.3	31.28	-1.61	1025.15	13.1	31.76	-1.61	1025.54
3.5	10.05	-0.56	1007.98	8.4	31.29	-1.62	1025.16	13.2	31.75	-1.61	1025.53
3.6	10.18	-0.57	1008.08	8.5	31.32	-1.61	1025.19	13.3	31.78	-1.61	1025.56
3.7	10.46	-0.59	1008.31	8.6	31.38	-1.61	1025.23	13.4	31.77	-1.60	1025.55
3.8	10.50	-0.60	1008.34	8.8	31.40	-1.61	1025.25	13.6	31.77	-1.60	1025.55
3.9	10.33	-0.58	1008.20	8.9	31.40	-1.61	1025.25	13.7	31.77	-1.60	1025.55
4.1	10.39	-0.60	1008.25	9.0	31.40	-1.61	1025.25	13.8	31.77	-1.61	1025.55
4.2	11.27	-0.69	1008.96	9.1	31.41	-1.61	1025.26	13.9	31.77	-1.61	1025.55
4.3	12.25	-0.70	1009.75	9.2	31.46	-1.61	1025.30	14.1	31.79	-1.61	1025.57
4.4	12.74	-0.73	1010.15	9.4	31.49	-1.59	1025.32	14.2	31.78	-1.60	1025.56
4.6	13.02	-0.75	1010.37	9.5	31.51	-1.59	1025.34	14.3	31.79	-1.61	1025.57
4.7	12.87	-0.73	1010.25	9.6	31.52	-1.59	1025.35	14.4	31.79	-1.61	1025.57
4.8	12.79	-0.72	1010.19	9.7	31.53	-1.59	1025.36	14.6	31.78	-1.61	1025.56
4.9	13.44	-0.78	1010.71	9.9	31.51	-1.58	1025.34	14.7	31.78	-1.60	1025.56
5.1	14.10	-0.86	1011.24	10.0	31.53	-1.58	1025.36	14.8	31.79	-1.61	1025.57
5.2	15.82	-1.05	1012.63	10.1	31.54	-1.59	1025.36	14.9	31.79	-1.61	1025.57
5.3	21.07	-1.30	1016.87	10.2	31.55	-1.59	1025.37	15.0	31.79	-1.61	1025.57
5.6	25.30	-1.45	1020.30	10.3	31.54	-1.58	1025.36	15.2	31.78	-1.60	1025.56
5.7	25.67	-1.44	1020.60	10.5	31.55	-1.58	1025.37	15.3	31.79	-1.61	1025.57
5.8	27.80	-1.49	1022.33	10.6	31.57	-1.56	1025.39	15.4	31.78	-1.60	1025.56
5.9	28.53	-1.52	1022.92	10.7	31.59	-1.56	1025.40	15.5	31.79	-1.61	1025.57
6.0	29.93	-1.59	1024.06	10.9	31.60	-1.56	1025.41	15.7	31.79	-1.61	1025.57
6.2	30.46	-1.58	1024.49	11.0	31.62	-1.60	1025.43	15.8	31.79	-1.61	1025.57
6.3	30.28	-1.58	1024.34	11.1	31.62	-1.60	1025.43	15.9	31.79	-1.60	1025.57
6.4	30.35	-1.58	1024.40	11.2	31.61	-1.60	1025.42	16.0	31.77	-1.61	1025.55
6.5	30.57	-1.59	1024.58	11.4	31.60	-1.60	1025.41	16.1	31.79	-1.60	1025.57
6.7	30.76	-1.60	1024.73	11.5	31.62	-1.60	1025.43	16.3	32.06	-1.60	1025.79
6.8	30.85	-1.60	1024.80	11.6	31.62	-1.60	1025.43	16.7	31.78	-1.60	1025.56
6.9	30.88	-1.60	1024.83	11.7	31.63	-1.59	1025.44	16.8	31.78	-1.60	1025.56
7.0	30.88	-1.60	1024.83	11.8	31.66	-1.58	1025.46				

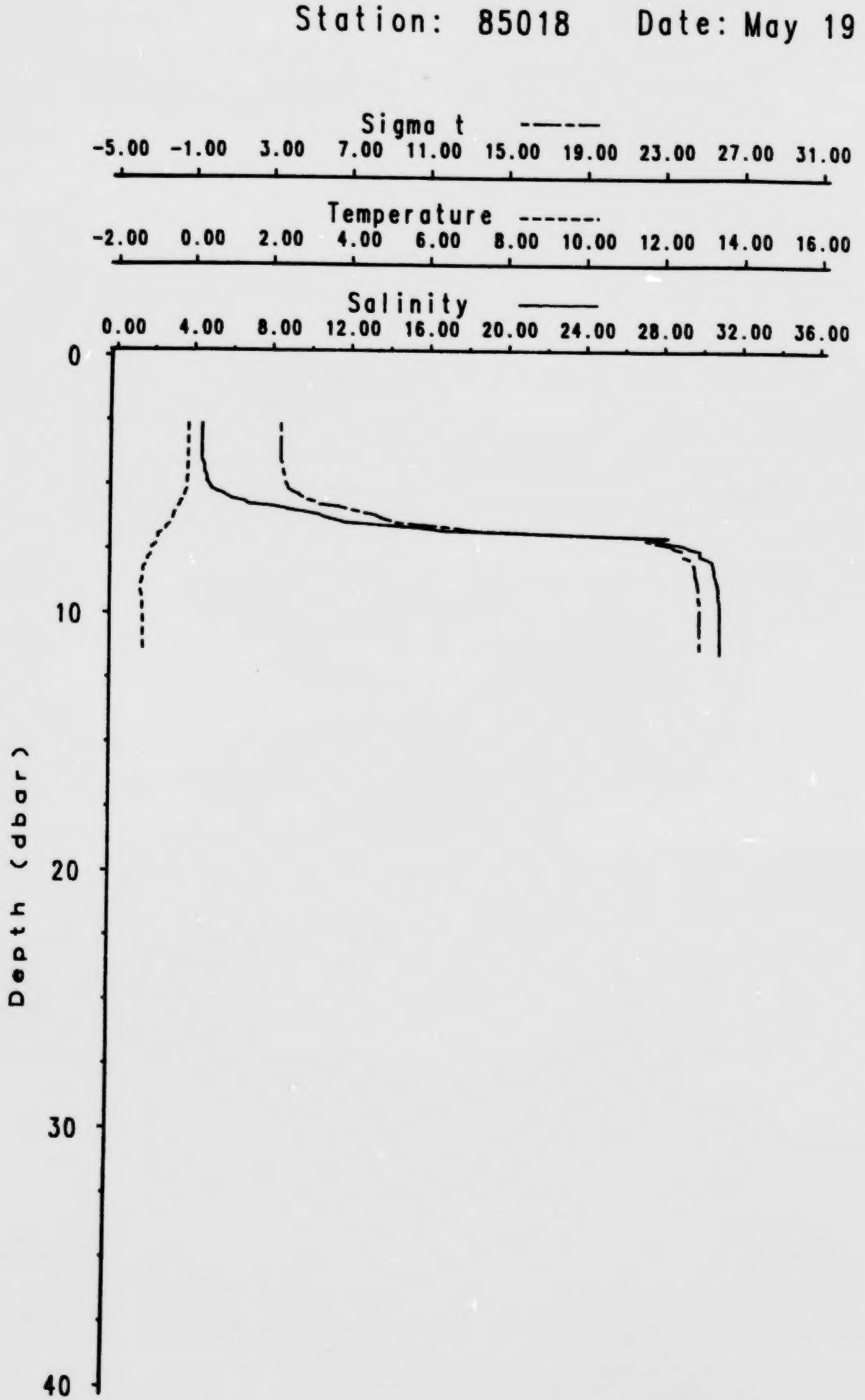

Station: 85018 Date: May 19
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.42. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85018, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.7	4.24	-0.23	1003.28	5.4	5.34	-0.31	1004.17	8.5	30.52	-1.37	1024.53
2.8	4.24	-0.23	1003.28	5.6	5.77	-0.33	1004.52	8.8	30.65	-1.39	1024.64
3.0	4.23	-0.23	1003.28	5.7	6.47	-0.42	1005.08	8.9	30.67	-1.41	1024.65
3.1	4.23	-0.24	1003.28	5.8	6.63	-0.43	1005.21	9.0	30.70	-1.44	1024.68
3.2	4.23	-0.23	1003.28	5.9	7.96	-0.47	1006.29	9.1	30.69	-1.42	1024.67
3.3	4.23	-0.23	1003.28	6.0	8.68	-0.52	1006.87	9.2	30.69	-1.43	1024.67
3.5	4.23	-0.24	1003.28	6.2	10.24	-0.59	1008.13	9.4	30.73	-1.38	1024.70
3.6	4.23	-0.24	1003.28	6.3	10.53	-0.60	1008.36	9.5	30.77	-1.37	1024.73
3.7	4.23	-0.24	1003.28	6.5	11.61	-0.64	1009.23	9.6	30.77	-1.36	1024.73
3.8	4.23	-0.23	1003.28	6.7	15.45	-0.77	1012.34	9.7	30.79	-1.37	1024.75
3.9	4.23	-0.23	1003.28	6.8	16.58	-0.80	1013.25	9.9	30.79	-1.36	1024.75
4.1	4.24	-0.24	1003.28	7.0	28.14	-0.99	1022.60	10.0	30.79	-1.36	1024.75
4.2	4.32	-0.24	1003.35	7.1	27.38	-0.99	1021.98	10.1	30.79	-1.35	1024.75
4.3	4.38	-0.24	1003.40	7.3	28.92	-1.02	1023.23	10.2	30.78	-1.35	1024.74
4.4	4.39	-0.24	1003.41	7.4	29.17	-1.06	1023.43	10.3	30.78	-1.35	1024.74
4.6	4.42	-0.24	1003.43	7.5	29.73	-1.14	1023.89	10.5	30.79	-1.35	1024.75
4.7	4.49	-0.24	1003.49	7.7	29.72	-1.16	1023.88	10.6	30.80	-1.35	1024.76
4.8	4.52	-0.26	1003.51	7.8	30.10	-1.18	1024.19	11.0	30.80	-1.35	1024.76
4.9	4.50	-0.26	1003.49	7.9	30.34	-1.24	1024.38	11.1	30.80	-1.35	1024.76
5.1	4.69	-0.26	1003.65	8.1	30.43	-1.26	1024.46	11.2	30.81	-1.34	1024.77
5.2	4.75	-0.26	1003.70	8.3	30.48	-1.36	1024.50	11.4	30.80	-1.35	1024.76
5.3	4.95	-0.28	1003.86	8.4	30.48	-1.36	1024.50	11.5	30.79	-1.35	1024.75

Station: 85019 Date: May 19

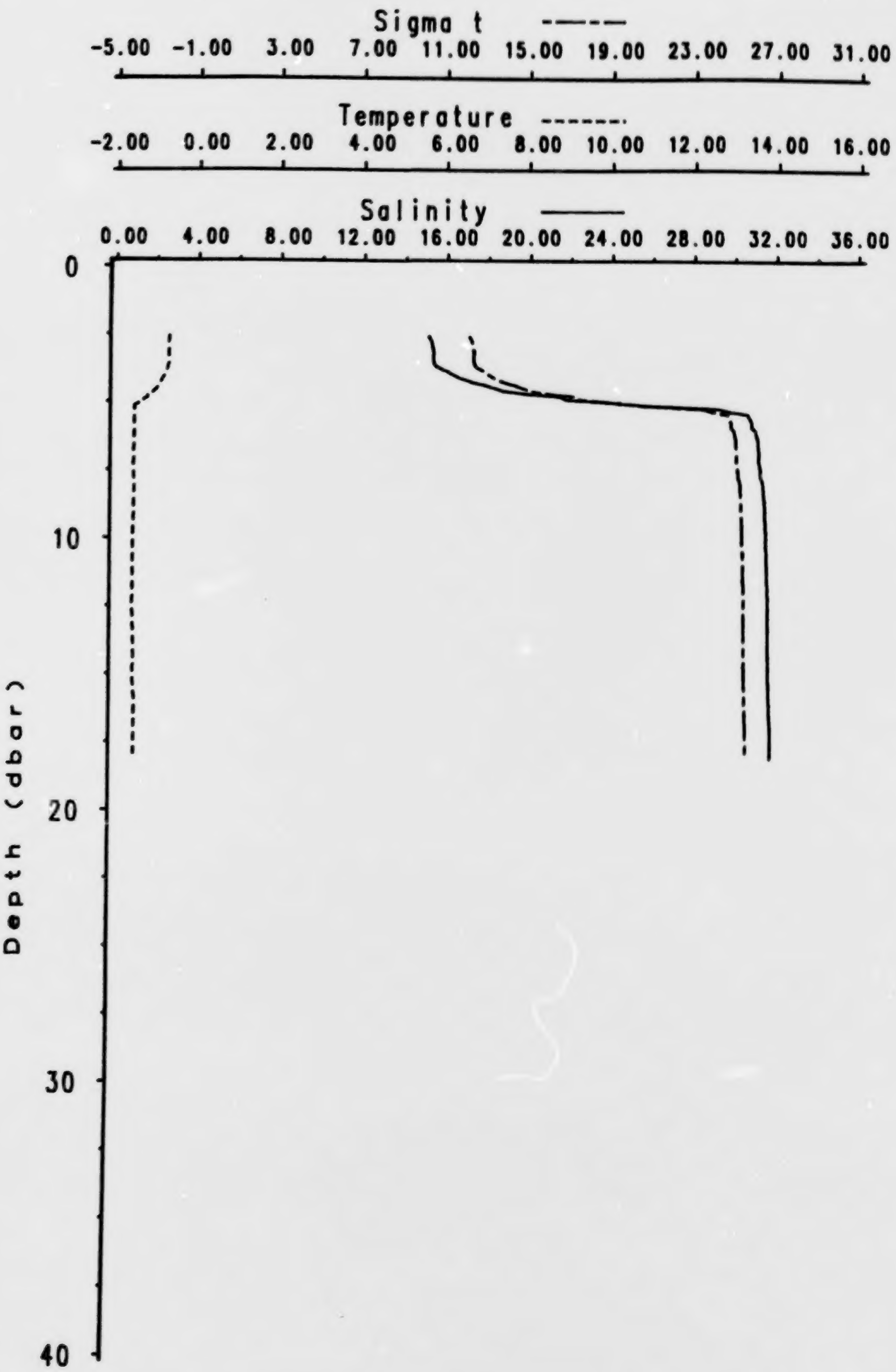
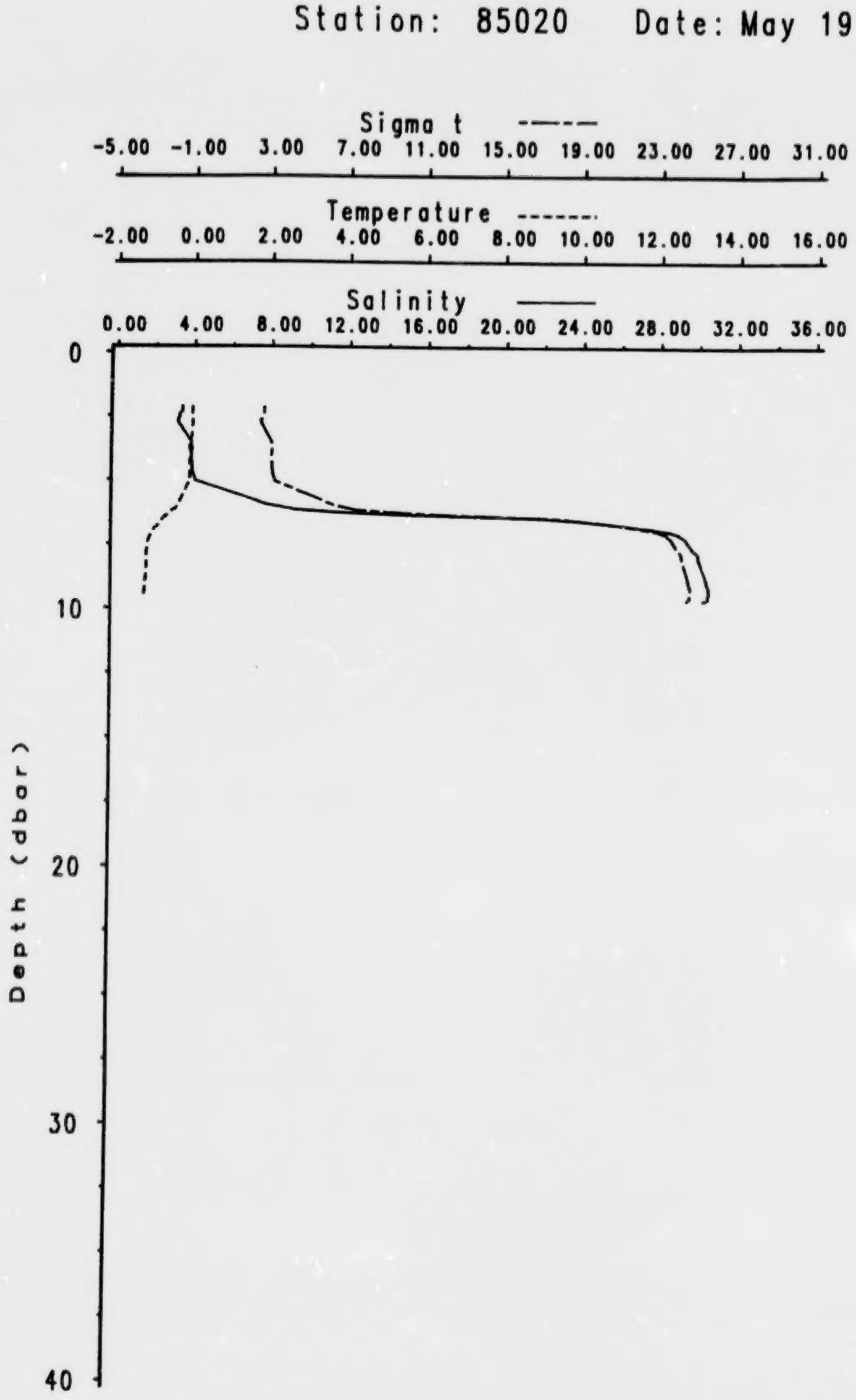


Table A1.43. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85019, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.6	14.92	-0.82	1011.91	7.9	31.21	-1.64	1025.10	13.2	31.52	-1.65	1025.35
2.7	15.00	-0.82	1011.97	8.0	31.24	-1.65	1025.12	13.3	31.53	-1.65	1025.36
2.8	15.08	-0.83	1012.03	8.3	31.27	-1.65	1025.15	13.4	31.52	-1.64	1025.35
3.0	15.12	-0.83	1012.07	8.4	31.28	-1.65	1025.15	13.6	31.52	-1.64	1025.35
3.1	15.16	-0.83	1012.10	8.5	31.29	-1.66	1025.16	13.7	31.52	-1.64	1025.35
3.2	15.19	-0.83	1012.12	8.6	31.30	-1.66	1025.17	13.8	31.53	-1.64	1025.36
3.3	15.15	-0.83	1012.09	8.8	31.33	-1.66	1025.19	13.9	31.53	-1.63	1025.36
3.5	15.17	-0.83	1012.11	8.9	31.33	-1.66	1025.19	14.1	31.53	-1.63	1025.36
3.6	15.20	-0.83	1012.13	9.0	31.34	-1.65	1025.20	14.2	31.53	-1.63	1025.36
3.7	15.29	-0.85	1012.20	9.1	31.34	-1.65	1025.20	14.3	31.53	-1.62	1025.36
3.8	15.54	-0.86	1012.41	9.2	31.34	-1.66	1025.20	14.4	31.55	-1.62	1025.37
3.9	15.86	-0.90	1012.66	9.4	31.37	-1.66	1025.23	14.6	31.54	-1.62	1025.36
4.1	16.31	-0.95	1013.03	9.5	31.36	-1.66	1025.22	14.7	31.54	-1.63	1025.36
4.3	17.10	-1.02	1013.66	9.6	31.38	-1.67	1025.24	14.8	31.55	-1.65	1025.37
4.4	17.71	-1.06	1014.16	9.7	31.39	-1.67	1025.24	14.9	31.55	-1.65	1025.37
4.6	18.56	-1.14	1014.84	9.9	31.39	-1.67	1025.24	15.0	31.55	-1.65	1025.37
4.7	19.62	-1.21	1015.70	10.0	31.39	-1.67	1025.24	15.2	31.55	-1.65	1025.37
4.8	21.34	-1.35	1017.09	10.1	31.39	-1.67	1025.24	15.3	31.57	-1.64	1025.39
4.9	21.59	-1.35	1017.29	10.2	31.39	-1.67	1025.24	15.4	31.58	-1.63	1025.40
5.1	25.42	-1.55	1020.40	10.3	31.39	-1.67	1025.24	15.5	31.58	-1.62	1025.40
5.2	29.05	-1.65	1023.34	10.5	31.43	-1.67	1025.28	15.7	31.59	-1.62	1025.41
5.3	29.53	-1.65	1023.73	10.6	31.44	-1.67	1025.28	15.8	31.58	-1.61	1025.40
5.4	30.44	-1.66	1024.47	10.7	31.44	-1.67	1025.28	15.9	31.60	-1.60	1025.41
5.6	30.60	-1.66	1024.60	10.9	31.44	-1.67	1025.28	16.0	31.61	-1.60	1025.42
5.7	30.67	-1.66	1024.66	11.1	31.45	-1.67	1025.29	16.1	31.62	-1.60	1025.43
5.8	30.68	-1.66	1024.67	11.2	31.45	-1.67	1025.29	16.3	31.62	-1.60	1025.43
5.9	30.67	-1.66	1024.66	11.4	31.46	-1.67	1025.30	16.4	31.62	-1.60	1025.43
6.0	30.84	-1.66	1024.80	11.5	31.45	-1.66	1025.29	16.5	31.63	-1.60	1025.44
6.2	30.90	-1.66	1024.85	11.6	31.46	-1.66	1025.30	16.7	31.66	-1.60	1025.46
6.3	30.95	-1.66	1024.89	11.7	31.48	-1.67	1025.32	16.8	31.67	-1.60	1025.47
6.4	30.98	-1.66	1024.91	11.8	31.49	-1.67	1025.32	16.9	31.66	-1.60	1025.46
6.7	31.00	-1.66	1024.93	12.0	31.49	-1.66	1025.32	17.0	31.68	-1.60	1025.48
6.8	31.02	-1.67	1024.94	12.1	31.50	-1.67	1025.33	17.1	31.68	-1.60	1025.48
6.9	31.02	-1.66	1024.94	12.2	31.51	-1.67	1025.34	17.3	31.68	-1.60	1025.48
7.0	31.01	-1.66	1024.93	12.3	31.51	-1.68	1025.34	17.4	31.69	-1.60	1025.49
7.1	31.00	-1.66	1024.93	12.5	31.51	-1.68	1025.34	17.5	31.69	-1.60	1025.49
7.3	31.07	-1.67	1024.98	12.6	31.51	-1.67	1025.34	17.6	31.68	-1.60	1025.48
7.4	31.09	-1.66	1025.00	12.7	31.50	-1.67	1025.33	17.8	31.68	-1.60	1025.48
7.5	31.10	-1.66	1025.01	12.8	31.50	-1.66	1025.33	17.9	31.68	-1.60	1025.48
7.7	31.11	-1.65	1025.02	12.9	31.52	-1.66	1025.35	18.0	31.67	-1.60	1025.47
7.8	31.16	-1.65	1025.06	13.1	31.51	-1.65	1025.34				


Station: 85020 Date: May 19
Sigma t
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Temperature
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Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.44. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85020, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.2	3.16	-0.16	1002.41	4.8	3.72	-0.22	1002.86	7.5	29.31	-1.28	1023.55
2.4	3.17	-0.15	1002.42	4.9	3.78	-0.22	1002.91	7.7	29.50	-1.30	1023.70
2.5	3.02	-0.15	1002.30	5.1	3.87	-0.23	1002.98	7.8	29.68	-1.30	1023.85
2.6	3.04	-0.15	1002.31	5.9	7.14	-0.47	1005.62	7.9	29.78	-1.31	1023.93
2.7	2.94	-0.15	1002.23	6.0	7.50	-0.51	1005.91	8.0	29.78	-1.31	1023.93
2.8	2.94	-0.15	1002.23	6.2	9.01	-0.59	1007.13	8.1	29.81	-1.31	1023.95
3.6	3.66	-0.20	1002.82	6.3	11.08	-0.69	1008.80	8.9	30.21	-1.33	1024.28
3.7	3.62	-0.22	1002.78	6.4	14.80	-0.75	1011.81	9.0	30.22	-1.34	1024.29
3.8	3.68	-0.21	1002.83	6.5	21.82	-0.85	1017.48	9.1	30.27	-1.34	1024.33
3.9	3.65	-0.20	1002.81	6.7	25.11	-0.96	1020.14	9.2	30.34	-1.35	1024.39
4.1	3.62	-0.20	1002.78	6.9	27.50	-1.06	1022.08	9.4	30.36	-1.36	1024.40
4.3	3.64	-0.21	1002.80	7.0	28.37	-1.13	1022.78	9.5	30.28	-1.37	1024.34
4.4	3.68	-0.21	1002.83	7.1	28.76	-1.18	1023.10	9.6	30.30	-1.37	1024.35
4.6	3.69	-0.21	1002.84	7.3	29.12	-1.24	1023.39	9.7	30.06	-1.37	1024.16
4.7	3.72	-0.21	1002.86	7.4	29.20	-1.26	1023.46				

Station: 85021 Date: May 19

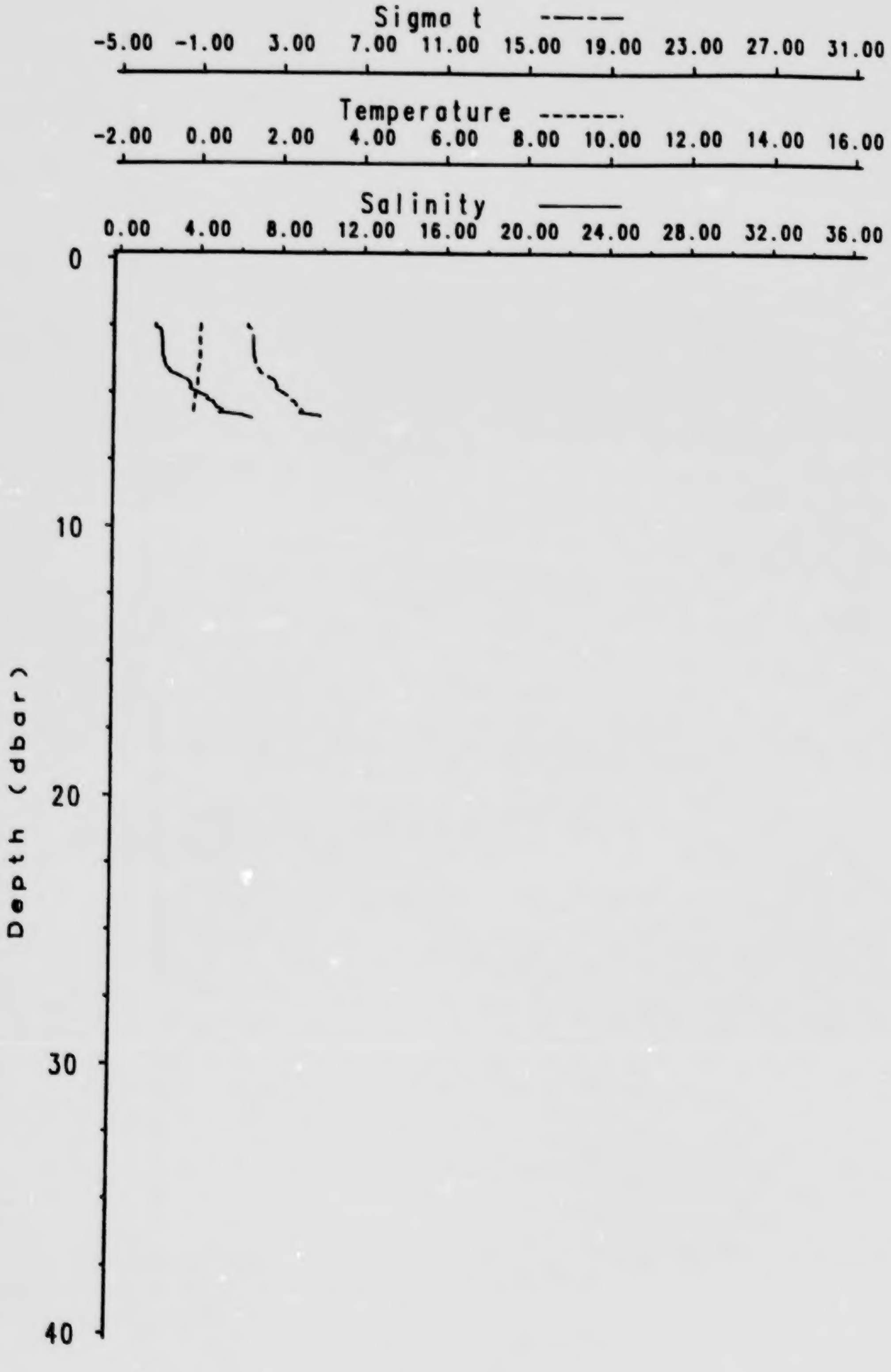

Table A1.45. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85021, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.5	1.59	-0.10	1001.14	3.8	2.03	-0.12	1001.49	5.1	3.80	-0.22	1002.93
2.6	1.59	-0.10	1001.14	3.9	2.02	-0.12	1001.49	5.2	4.14	-0.23	1003.20
2.7	1.81	-0.11	1001.32	4.1	2.11	-0.14	1001.56	5.3	4.17	-0.23	1003.23
2.8	1.89	-0.12	1001.38	4.2	2.28	-0.16	1001.70	5.4	4.44	-0.25	1003.45
3.0	1.91	-0.12	1001.40	4.3	2.33	-0.16	1001.74	5.6	4.61	-0.26	1003.58
3.1	1.93	-0.12	1001.41	4.4	2.67	-0.17	1002.01	5.7	4.90	-0.27	1003.82
3.2	1.93	-0.11	1001.41	4.6	3.20	-0.17	1002.44	5.8	4.75	-0.26	1003.70
3.3	1.94	-0.11	1001.42	4.7	3.30	-0.18	1002.52	5.9	5.90	-0.26	1004.63
3.6	1.96	-0.12	1001.44	4.8	3.35	-0.18	1002.56	6.0	6.33	-0.26	1004.98
3.7	1.96	-0.12	1001.44	4.9	3.31	-0.18	1002.53				

Station: 85022 Date: May 19

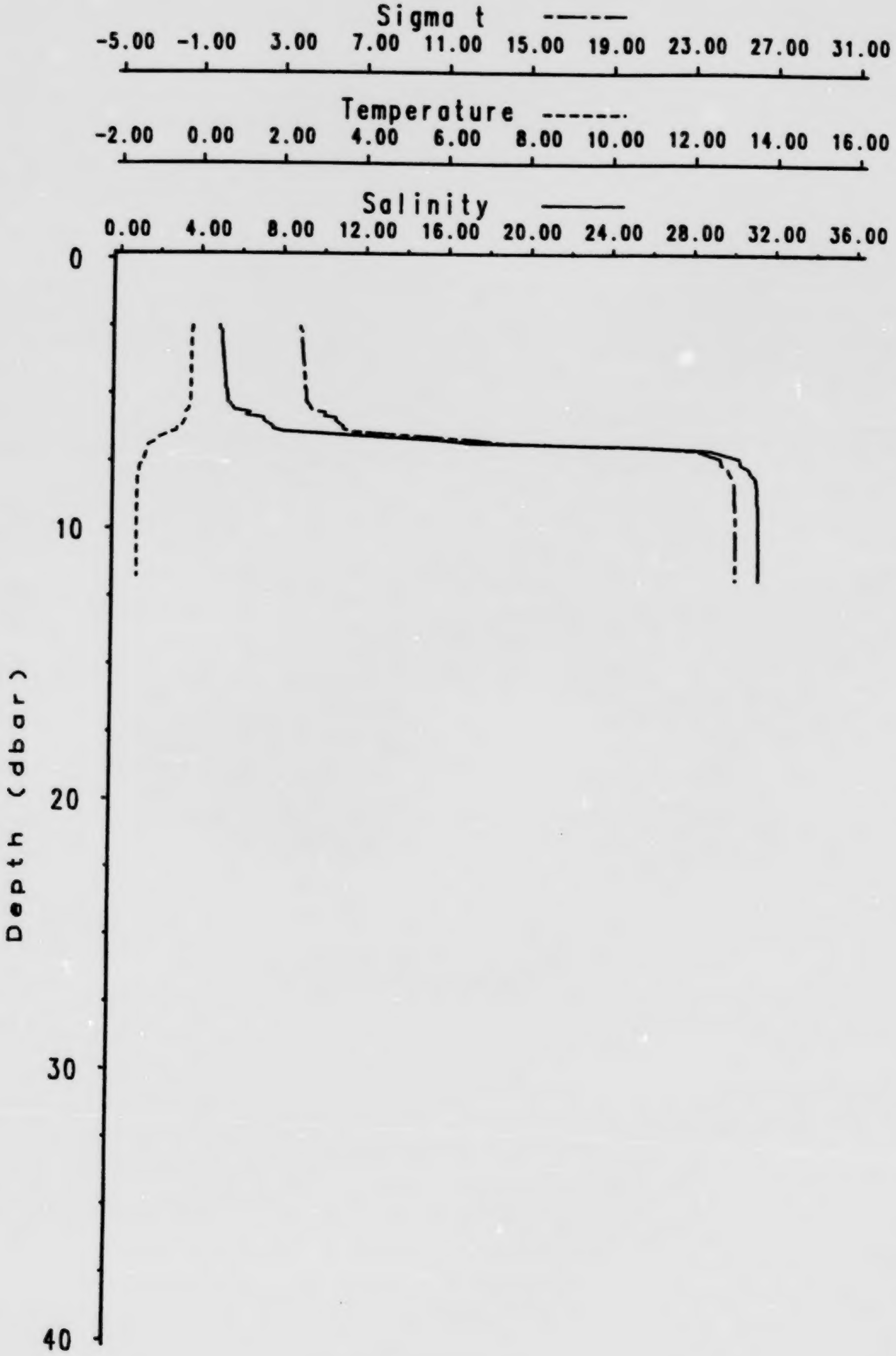

Table A1.46. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85022, May 19, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.5	4.81	-0.26	1003.75	5.8	6.16	-0.40	1004.83	8.9	31.11	-1.58	1025.01
2.6	4.81	-0.24	1003.75	5.9	7.01	-0.43	1005.52	9.0	31.16	-1.58	1025.06
2.7	4.94	-0.27	1003.85	6.0	7.01	-0.43	1005.52	9.1	31.19	-1.59	1025.08
2.8	4.93	-0.27	1003.84	6.2	7.43	-0.51	1005.86	9.2	31.18	-1.59	1025.07
3.0	4.93	-0.28	1003.84	6.3	7.50	-0.63	1005.91	9.4	31.19	-1.59	1025.08
3.1	4.94	-0.28	1003.85	6.4	7.97	-0.64	1006.29	9.5	31.20	-1.59	1025.09
3.2	4.98	-0.28	1003.88	6.5	10.21	-0.84	1008.09	9.6	31.20	-1.59	1025.09
3.3	4.99	-0.28	1003.89	6.7	15.53	-1.11	1012.39	9.7	31.20	-1.59	1025.09
3.5	5.02	-0.29	1003.91	6.8	16.98	-1.17	1013.56	9.9	31.19	-1.58	1025.08
3.6	5.03	-0.28	1003.92	6.9	25.40	-1.28	1020.38	10.0	31.18	-1.58	1025.07
3.7	5.04	-0.29	1003.93	7.0	28.81	-1.37	1023.15	10.1	31.21	-1.58	1025.10
3.9	5.07	-0.29	1003.96	7.1	29.34	-1.37	1023.57	10.2	31.22	-1.59	1025.10
4.1	5.09	-0.29	1003.97	7.3	30.22	-1.39	1024.29	10.3	31.21	-1.58	1025.10
4.2	5.08	-0.29	1003.96	7.4	30.29	-1.42	1024.35	10.5	31.22	-1.58	1025.10
4.4	5.13	-0.29	1004.00	7.5	30.31	-1.42	1024.36	10.6	31.22	-1.58	1025.10
4.6	5.15	-0.29	1004.02	7.7	30.73	-1.53	1024.71	10.9	31.22	-1.58	1025.10
4.7	5.14	-0.29	1004.01	7.8	30.77	-1.54	1024.74	11.1	31.22	-1.58	1025.10
4.8	5.15	-0.29	1004.02	7.9	30.87	-1.55	1024.82	11.2	31.22	-1.58	1025.10
4.9	5.22	-0.29	1004.08	8.0	31.01	-1.57	1024.93	11.4	31.22	-1.58	1025.10
5.1	5.25	-0.30	1004.10	8.1	31.06	-1.58	1024.97	11.5	31.22	-1.58	1025.10
5.2	5.23	-0.30	1004.08	8.3	31.10	-1.58	1025.01	11.6	31.22	-1.58	1025.10
5.3	5.23	-0.30	1004.08	8.4	31.13	-1.58	1025.03	11.7	31.22	-1.58	1025.10
5.4	5.37	-0.31	1004.20	8.5	31.13	-1.58	1025.03	11.8	31.22	-1.58	1025.10
5.6	5.57	-0.34	1004.36	8.6	31.14	-1.59	1025.04				
5.7	6.35	-0.41	1004.99	8.8	31.11	-1.58	1025.01				

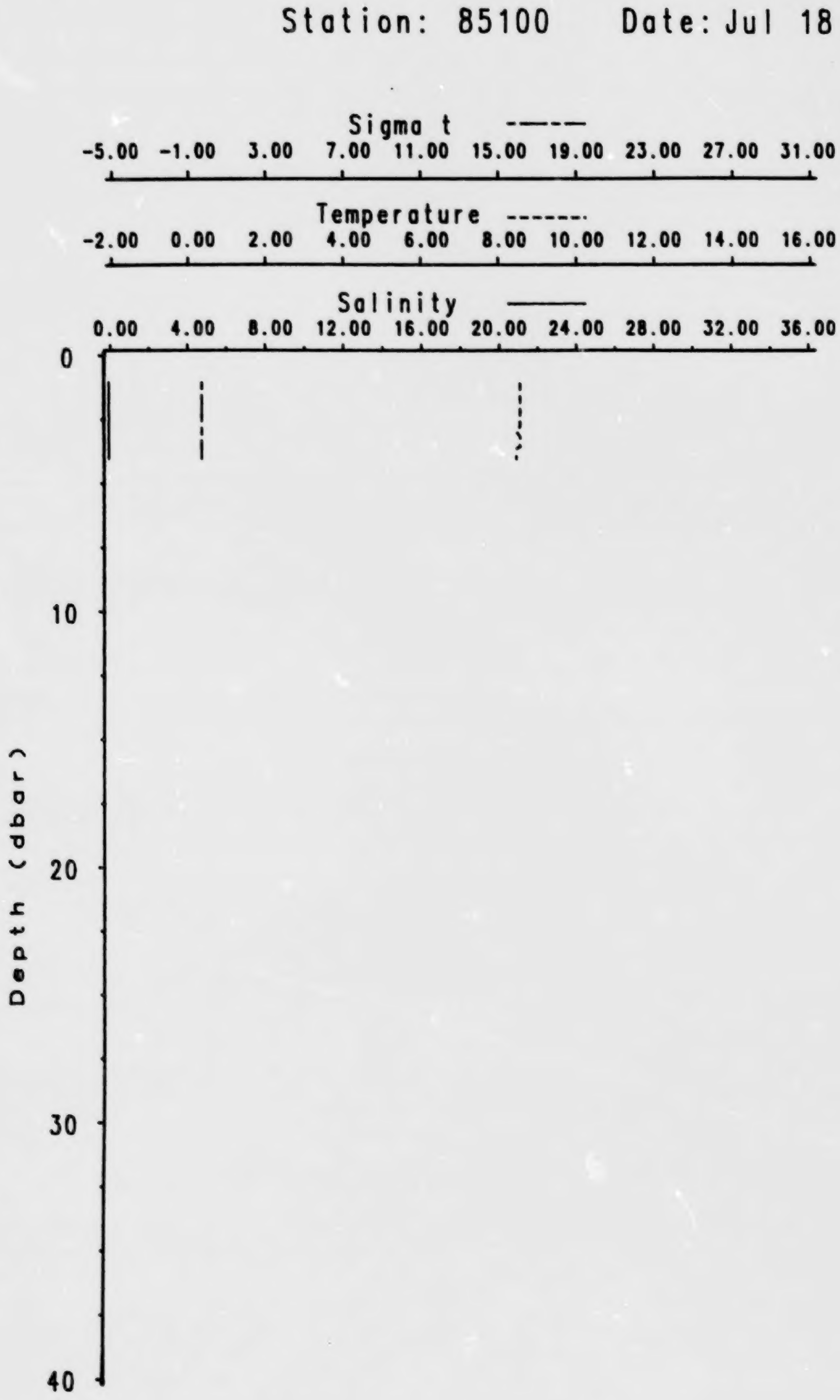
Station: 85100 Date: Jul 18
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.47. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85100, July 18, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	0.04	8.60	999.84	2.2	0.04	8.60	999.84	3.5	0.04	8.60	999.84
1.2	0.03	8.60	999.84	2.4	0.04	8.60	999.84	3.6	0.04	8.60	999.84
1.3	0.04	8.60	999.84	2.6	0.04	8.60	999.84	3.7	0.04	8.50	999.85
1.5	0.04	8.60	999.84	2.7	0.03	8.60	999.84	3.8	0.04	8.50	999.85
1.6	0.04	8.60	999.84	2.8	0.05	8.60	999.85	3.9	0.04	8.50	999.85
1.7	0.04	8.60	999.84	3.0	0.04	8.50	999.85	4.1	0.05	8.50	999.86
2.0	0.04	8.60	999.84	3.2	0.04	8.60	999.84				
2.1	0.04	8.60	999.84	3.3	0.04	8.60	999.84				

Station: 85103 Date: Jul 21

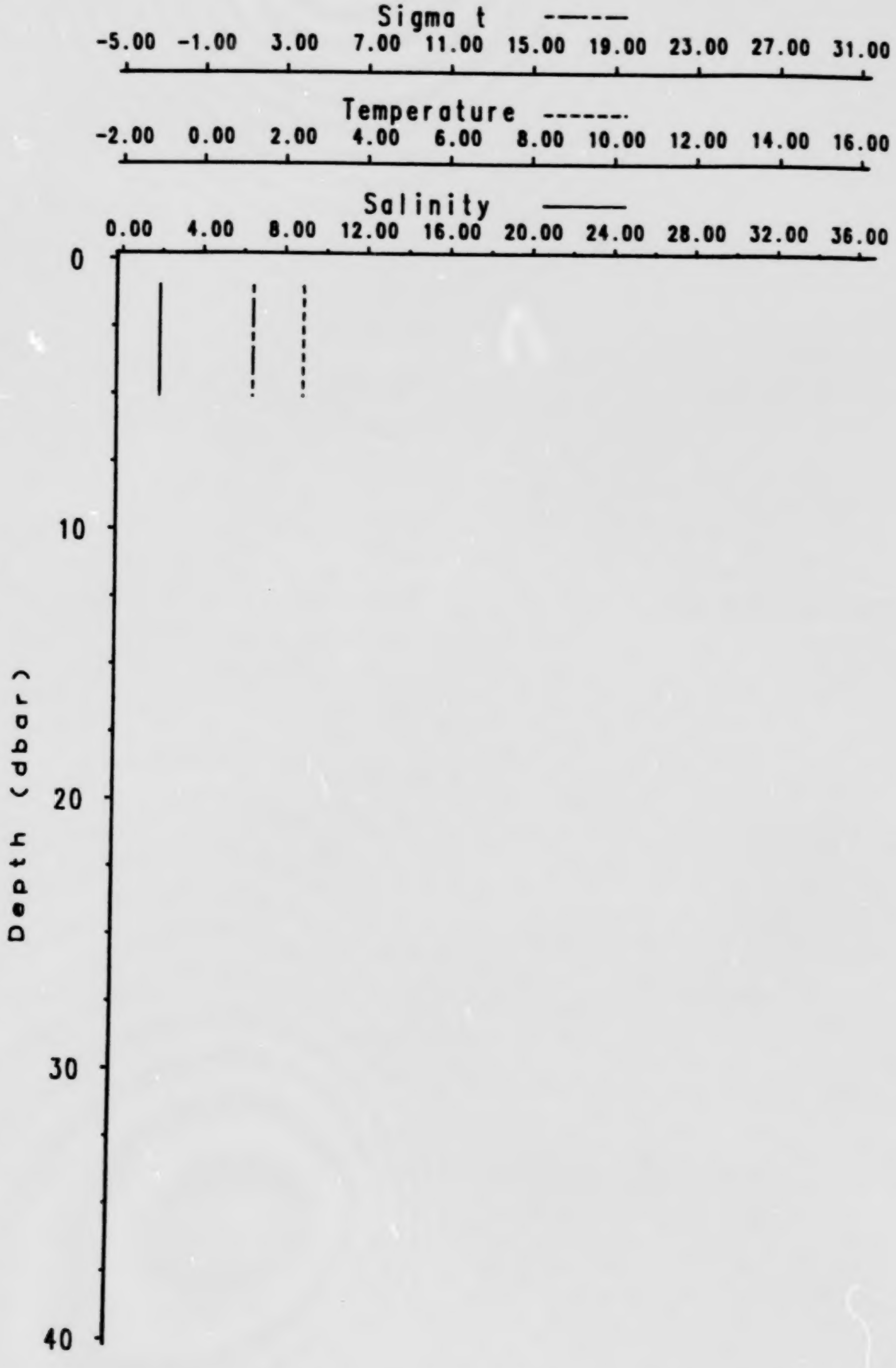

Table A1.48. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85103, July 21, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.0	2.00	2.51	1001.57	2.5	2.00	2.52	1001.57	3.9	2.00	2.51	1001.57
1.1	2.00	2.51	1001.57	2.6	2.00	2.51	1001.57	4.1	2.00	2.51	1001.57
1.2	2.00	2.52	1001.57	2.7	2.00	2.52	1001.57	4.2	2.00	2.51	1001.57
1.3	2.00	2.51	1001.57	2.8	2.00	2.52	1001.57	4.3	2.00	2.51	1001.57
1.5	2.00	2.52	1001.57	3.0	2.00	2.52	1001.57	4.4	2.00	2.51	1001.57
1.6	2.00	2.52	1001.57	3.1	2.00	2.51	1001.57	4.6	2.00	2.51	1001.57
1.7	2.00	2.52	1001.57	3.2	2.00	2.51	1001.57	4.7	2.00	2.51	1001.57
1.9	2.00	2.52	1001.57	3.3	2.00	2.51	1001.57	4.8	2.00	2.51	1001.57
2.0	2.00	2.51	1001.57	3.5	2.00	2.51	1001.57	4.9	1.99	2.51	1001.57
2.1	2.00	2.52	1001.57	3.6	2.00	2.52	1001.57	5.1	2.00	2.51	1001.57
2.2	2.00	2.51	1001.57	3.7	2.00	2.51	1001.57				
2.4	2.00	2.52	1001.57	3.8	2.00	2.51	1001.57				

Station: 85104 Date: Jul 22

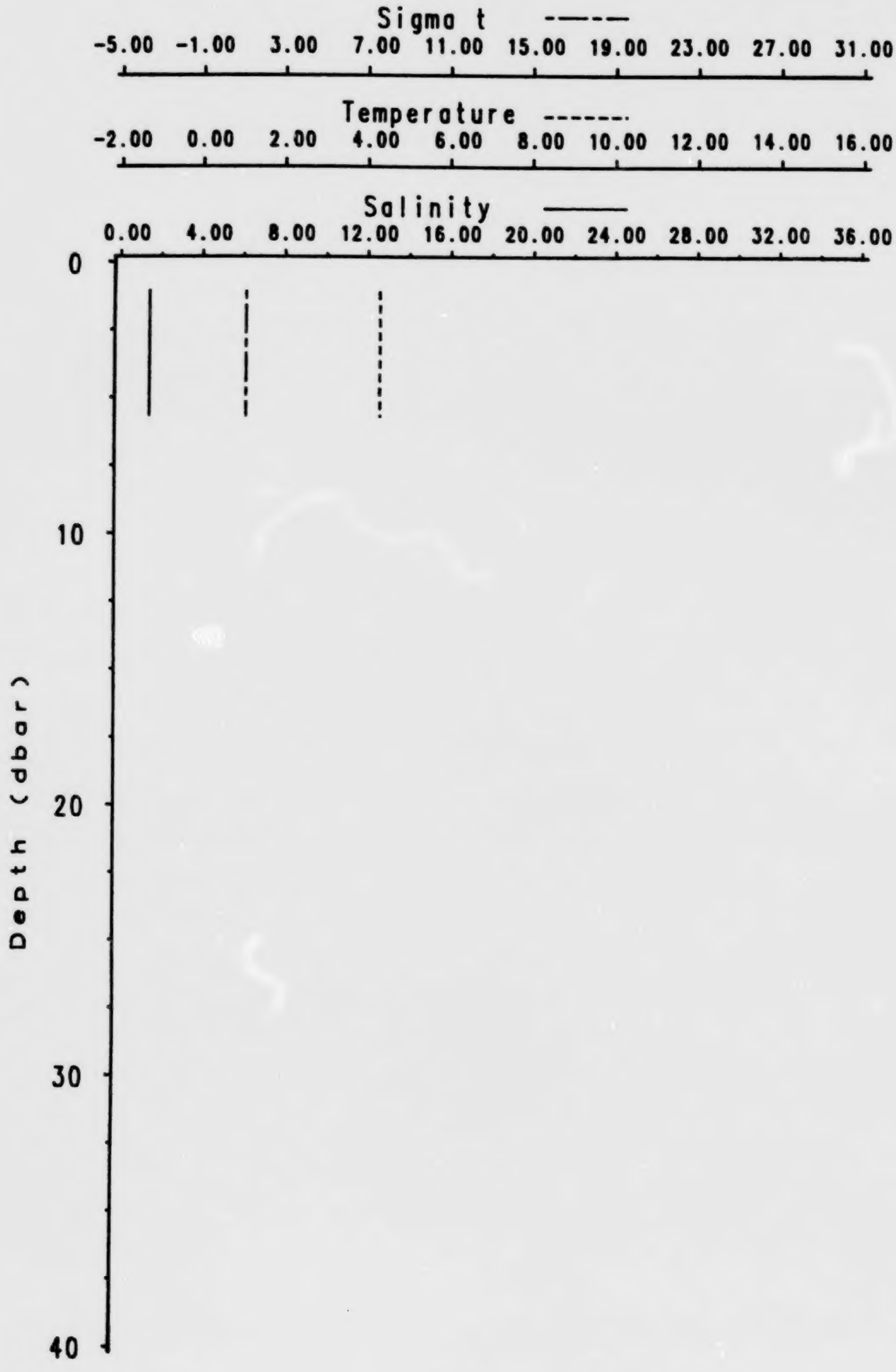

Table A1.49. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85104, July 22, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	1.44	4.31	1001.13	2.7	1.45	4.31	1001.14	4.3	1.44	4.31	1001.13
1.2	1.44	4.31	1001.13	2.8	1.44	4.32	1001.13	4.4	1.44	4.31	1001.13
1.3	1.45	4.31	1001.14	3.0	1.44	4.32	1001.13	4.6	1.44	4.31	1001.13
1.5	1.44	4.32	1001.13	3.1	1.44	4.32	1001.13	4.7	1.44	4.31	1001.13
1.6	1.45	4.32	1001.14	3.2	1.45	4.32	1001.14	4.8	1.44	4.31	1001.13
1.7	1.44	4.32	1001.13	3.3	1.44	4.32	1001.13	4.9	1.44	4.31	1001.13
1.9	1.44	4.31	1001.13	3.5	1.44	4.32	1001.13	5.1	1.44	4.32	1001.13
2.0	1.45	4.32	1001.14	3.6	1.44	4.32	1001.13	5.2	1.44	4.32	1001.13
2.1	1.45	4.32	1001.14	3.7	1.44	4.31	1001.13	5.3	1.44	4.32	1001.13
2.2	1.45	4.32	1001.14	3.8	1.44	4.31	1001.13	5.4	1.44	4.32	1001.13
2.4	1.45	4.32	1001.14	3.9	1.44	4.31	1001.13	5.6	1.44	4.32	1001.13
2.5	1.45	4.32	1001.14	4.1	1.44	4.31	1001.13	5.7	1.44	4.32	1001.13
2.6	1.45	4.32	1001.14	4.2	1.44	4.31	1001.13				

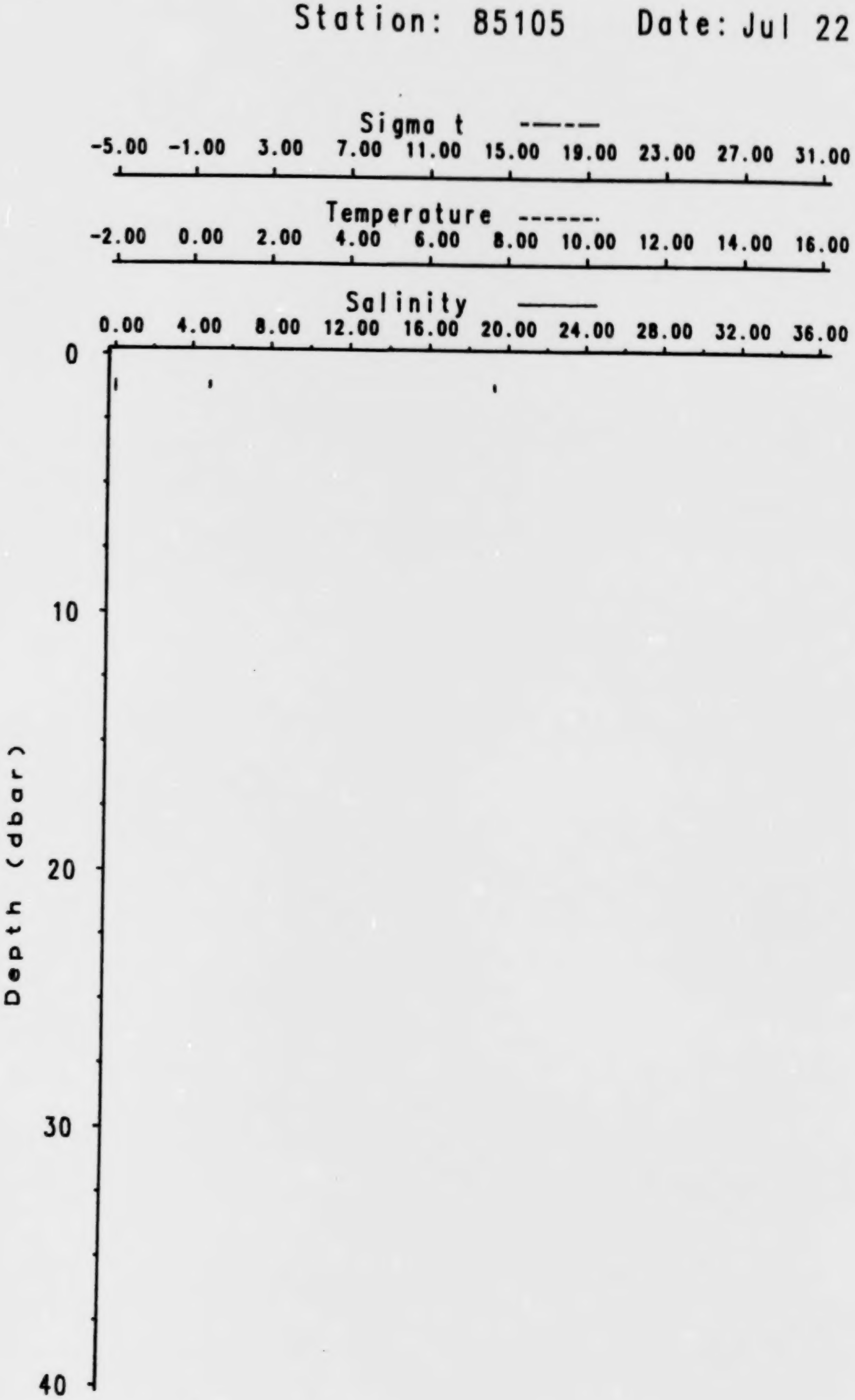
Station: 85105 Date: Jul 22
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.50. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85105, July 22, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	0.12	7.71	999.96	1.3	0.12	7.71	999.96				
1.2	0.12	7.70	999.96	1.5	0.12	7.70	999.96				

Station: 85106 Date: Jul 24

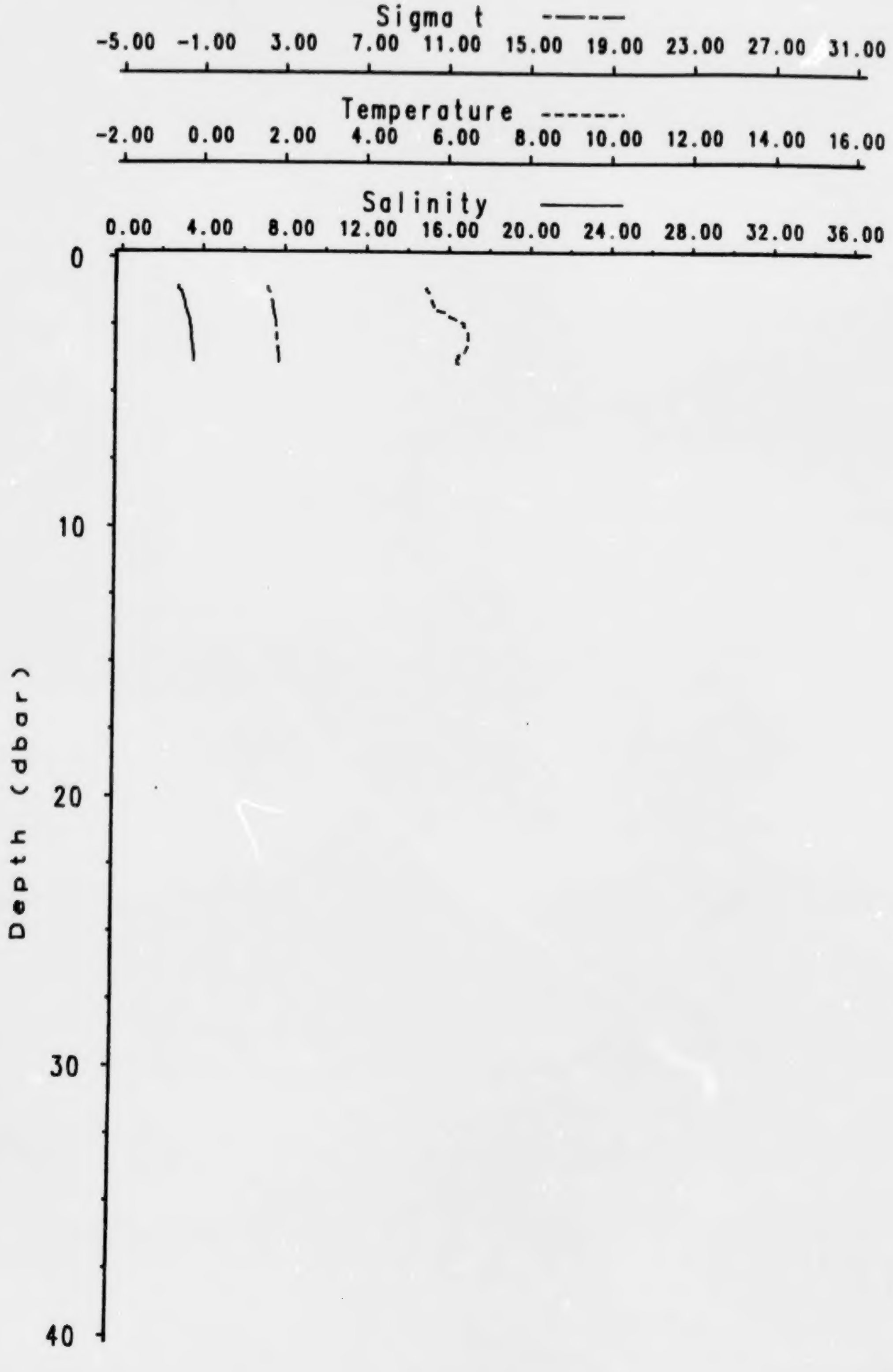

Table A1.51. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85106, July 24, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	2.90	5.51	1002.27	2.1	3.35	6.01	1002.60	3.2	3.61	6.54	1002.79
1.2	2.91	5.52	1002.27	2.4	3.51	6.44	1002.71	3.3	3.64	6.50	1002.81
1.3	3.06	5.60	1002.39	2.5	3.48	6.41	1002.69	3.5	3.66	6.44	1002.83
1.5	3.14	5.64	1002.45	2.6	3.53	6.52	1002.72	3.6	3.69	6.28	1002.86
1.6	3.18	5.65	1002.48	2.7	3.56	6.53	1002.75	3.7	3.69	6.31	1002.86
1.7	3.24	5.68	1002.53	2.8	3.56	6.54	1002.75	3.8	3.70	6.18	1002.87
1.9	3.27	5.72	1002.55	3.0	3.58	6.54	1002.76	3.9	3.68	6.31	1002.85
2.0	3.34	5.98	1002.60	3.1	3.59	6.55	1002.77				

Station: 85108 Date: Jul 24

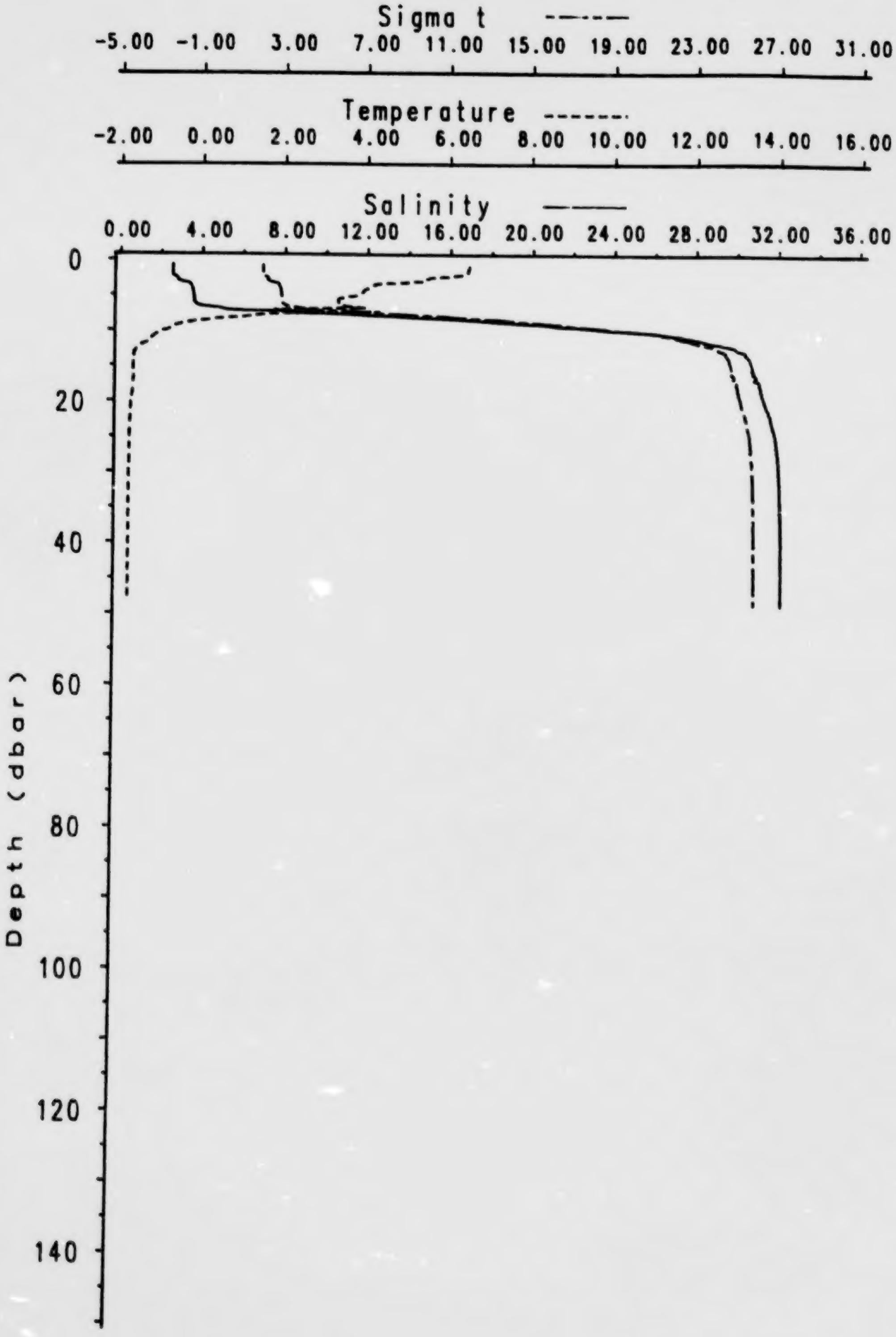

Table A1.52. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85108, July 24, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.9	2.65	6.50	1002.03	8.4	15.78	0.76	1012.62	15.4	30.80	-1.62	1024.76
1.0	2.65	6.50	1002.03	8.5	16.65	0.51	1013.32	15.5	30.88	-1.62	1024.83
1.1	2.65	6.50	1002.03	8.6	17.26	0.33	1013.81	15.7	30.87	-1.62	1024.82
1.7	2.64	6.47	1002.02	8.8	18.09	0.10	1014.48	15.8	30.89	-1.62	1024.84
1.9	2.65	6.39	1002.03	8.9	18.69	-0.10	1014.96	15.9	30.83	-1.61	1024.79
2.1	2.64	6.35	1002.03	9.0	19.32	-0.22	1015.47	16.0	30.85	-1.61	1024.80
2.2	2.65	6.25	1002.04	9.1	20.06	-0.34	1016.06	16.1	30.96	-1.61	1024.89
2.4	2.68	5.99	1002.08	9.2	20.90	-0.45	1016.74	16.3	30.99	-1.61	1024.92
2.5	2.77	5.65	1002.16	9.4	21.36	-0.51	1017.11	16.4	31.01	-1.60	1024.93
2.6	2.82	5.53	1002.20	9.5	22.21	-0.60	1017.80	16.5	31.00	-1.60	1024.93
2.7	2.85	5.50	1002.23	9.7	23.26	-0.68	1018.65	16.7	30.91	-1.60	1024.85
2.8	2.90	5.45	1002.27	9.9	23.92	-0.73	1019.18	16.8	30.92	-1.60	1024.86
3.0	2.92	5.44	1002.29	10.0	24.70	-0.76	1019.81	16.9	31.09	-1.60	1025.00
3.1	2.93	5.43	1002.29	10.1	25.24	-0.77	1020.25	17.0	31.15	-1.61	1025.05
3.2	3.01	5.06	1002.37	10.2	25.66	-0.82	1020.59	17.1	31.15	-1.61	1025.05
3.3	3.10	4.97	1002.44	10.3	26.27	-0.93	1021.08	17.3	31.17	-1.61	1025.06
3.5	3.44	4.31	1002.73	10.6	27.00	-1.03	1021.67	17.4	31.15	-1.62	1025.05
3.6	3.50	4.23	1002.78	10.7	27.39	-1.07	1021.99	17.5	31.14	-1.62	1025.04
3.7	3.53	4.19	1002.80	10.9	27.57	-1.10	1022.14	17.6	31.16	-1.63	1025.06
4.4	3.65	3.96	1002.90	11.0	27.90	-1.14	1022.40	17.8	31.18	-1.63	1025.07
4.6	3.65	3.95	1002.90	11.1	27.81	-1.14	1022.33	17.9	31.22	-1.63	1025.10
4.7	3.65	3.93	1002.90	11.2	28.25	-1.17	1022.69	18.0	31.23	-1.63	1025.11
4.8	3.67	3.89	1002.92	11.4	28.48	-1.19	1022.87	18.1	31.23	-1.63	1025.11
5.1	3.67	3.81	1002.92	11.5	28.59	-1.20	1022.96	18.2	31.23	-1.63	1025.11
5.2	3.69	3.74	1002.93	11.6	28.77	-1.22	1023.11	18.4	31.21	-1.63	1025.10
5.3	3.69	3.66	1002.93	11.7	28.93	-1.25	1023.24	18.5	31.24	-1.63	1025.12
5.4	3.70	3.51	1002.94	11.8	29.23	-1.28	1023.48	13.6	31.28	-1.63	1025.15
5.6	3.71	3.38	1002.95	12.0	29.48	-1.31	1023.69	18.9	31.28	-1.63	1025.15
5.7	3.71	3.34	1002.95	12.1	29.75	-1.36	1023.91	19.0	31.29	-1.64	1025.16
5.8	3.72	3.33	1002.96	12.2	29.93	-1.41	1024.05	19.1	31.30	-1.64	1025.17
5.9	3.71	3.33	1002.95	12.3	29.98	-1.44	1024.10	19.2	31.33	-1.64	1025.19
6.2	3.72	3.34	1002.96	12.5	30.04	-1.46	1024.14	19.5	31.37	-1.65	1025.23
6.3	3.77	3.38	1003.00	12.6	30.08	-1.47	1024.18	19.6	31.38	-1.65	1025.24
6.5	3.83	3.38	1003.05	12.7	30.21	-1.50	1024.28	19.7	31.40	-1.67	1025.25
6.7	4.01	3.54	1003.19	12.8	30.35	-1.54	1024.40	19.9	31.41	-1.66	1025.26
6.9	4.52	3.97	1003.59	12.9	30.47	-1.55	1024.49	20.0	31.42	-1.67	1025.27
7.1	5.05	2.74	1004.02	13.1	30.45	-1.57	1024.48	20.1	31.42	-1.67	1025.27
7.3	5.35	1.78	1004.25	13.2	30.48	-1.58	1024.50	20.2	31.46	-1.67	1025.30
7.4	6.05	1.93	1004.82	13.3	30.54	-1.60	1024.55	20.4	31.47	-1.67	1025.31
7.5	9.61	2.02	1007.67	13.4	30.55	-1.60	1024.56	20.6	31.49	-1.67	1025.32
7.7	8.13	2.13	1006.49	13.7	30.64	-1.60	1024.63	20.7	31.49	-1.67	1025.32
7.8	10.67	1.88	1008.52	13.8	30.67	-1.61	1024.66	20.8	31.51	-1.67	1025.34
7.9	11.45	1.62	1009.14	13.9	30.69	-1.61	1024.67	21.0	31.55	-1.67	1025.37
8.0	12.21	1.46	1009.75	14.2	30.71	-1.62	1024.69	21.1	31.59	-1.68	1025.41
8.1	13.56	1.26	1010.84	15.2	30.83	-1.62	1024.79	21.3	31.62	-1.68	1025.43
8.3	14.69	1.03	1011.74	15.1	30.84	-1.62	1024.80	21.6	31.63	-1.68	1025.44

CONTINUED NEXT PAGE

Table A1.52. Station 85108 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.7	31.65	-1.68	1025.46	27.7	32.07	-1.70	1025.80	34.8	32.22	-1.71	1025.92
21.8	31.68	-1.68	1025.48	27.9	32.09	-1.70	1025.81	34.9	32.21	-1.71	1025.91
21.9	31.71	-1.68	1025.50	28.0	32.08	-1.70	1025.80	35.0	32.22	-1.71	1025.92
22.2	31.71	-1.68	1025.50	28.1	32.08	-1.70	1025.80	35.1	32.22	-1.71	1025.92
22.3	31.72	-1.68	1025.51	28.2	32.09	-1.70	1025.81	35.3	32.23	-1.71	1025.93
22.4	31.73	-1.68	1025.52	28.3	32.09	-1.70	1025.81	35.4	32.22	-1.71	1025.92
22.6	31.75	-1.68	1025.54	28.5	32.12	-1.70	1025.84	35.5	32.20	-1.70	1025.90
22.7	31.76	-1.69	1025.54	28.6	32.12	-1.70	1025.84	35.6	32.23	-1.70	1025.93
22.8	31.76	-1.68	1025.54	28.7	32.12	-1.70	1025.84	35.8	32.23	-1.71	1025.93
22.9	31.77	-1.68	1025.55	28.9	32.10	-1.70	1025.82	35.9	32.23	-1.71	1025.93
23.1	31.78	-1.69	1025.56	29.0	32.11	-1.70	1025.83	36.0	32.23	-1.71	1025.93
23.2	31.78	-1.68	1025.56	29.1	32.12	-1.70	1025.84	36.1	32.23	-1.71	1025.93
23.3	31.81	-1.69	1025.59	29.2	32.13	-1.70	1025.85	36.2	32.22	-1.70	1025.92
23.4	31.83	-1.69	1025.60	29.4	32.14	-1.70	1025.85	36.4	32.23	-1.70	1025.93
23.6	31.83	-1.69	1025.60	29.6	32.14	-1.70	1025.85	36.5	32.24	-1.71	1025.94
23.7	31.85	-1.69	1025.62	29.8	32.14	-1.71	1025.85	36.6	32.24	-1.71	1025.94
23.8	31.85	-1.69	1025.62	30.0	32.13	-1.71	1025.85	36.7	32.24	-1.71	1025.94
23.9	31.88	-1.69	1025.64	30.1	32.13	-1.71	1025.85	36.9	32.24	-1.71	1025.94
24.0	31.90	-1.69	1025.66	30.3	32.16	-1.71	1025.87	37.0	32.24	-1.71	1025.94
24.2	31.90	-1.69	1025.66	30.5	32.16	-1.71	1025.87	37.2	32.22	-1.71	1025.92
24.3	31.91	-1.70	1025.67	30.6	32.15	-1.71	1025.86	37.3	32.24	-1.70	1025.93
24.4	31.90	-1.69	1025.66	30.7	32.16	-1.71	1025.87	37.5	32.24	-1.70	1025.93
24.7	31.95	-1.69	1025.70	30.8	32.15	-1.71	1025.86	37.6	32.24	-1.70	1025.93
24.8	31.97	-1.70	1025.72	30.9	32.17	-1.71	1025.88	37.7	32.25	-1.70	1025.94
24.9	31.98	-1.69	1025.72	31.1	32.16	-1.71	1025.87	37.8	32.24	-1.70	1025.93
25.0	31.96	-1.70	1025.71	31.2	32.16	-1.71	1025.87	38.0	32.24	-1.70	1025.93
25.1	31.96	-1.70	1025.71	31.3	32.18	-1.71	1025.89	38.1	32.22	-1.70	1025.92
25.3	31.99	-1.70	1025.73	31.4	32.17	-1.71	1025.88	38.2	32.25	-1.70	1025.94
25.4	31.99	-1.70	1025.73	31.7	32.18	-1.71	1025.89	38.4	32.25	-1.71	1025.94
25.5	31.99	-1.70	1025.73	31.8	32.18	-1.71	1025.89	38.5	32.26	-1.70	1025.95
25.6	32.00	-1.70	1025.74	31.9	32.18	-1.71	1025.89	38.6	32.26	-1.70	1025.95
25.8	32.01	-1.70	1025.75	32.1	32.18	-1.71	1025.89	38.7	32.25	-1.70	1025.94
25.9	32.01	-1.70	1025.75	32.2	32.18	-1.71	1025.89	38.8	32.25	-1.70	1025.94
26.0	32.00	-1.70	1025.74	32.3	32.20	-1.71	1025.90	39.1	32.25	-1.70	1025.94
26.1	32.01	-1.70	1025.75	32.4	32.19	-1.71	1025.89	39.2	32.26	-1.71	1025.95
26.3	32.00	-1.70	1025.74	32.7	32.20	-1.71	1025.90	39.3	32.26	-1.71	1025.95
26.4	32.03	-1.69	1025.76	33.5	32.21	-1.71	1025.91	39.5	32.26	-1.70	1025.95
26.5	32.05	-1.70	1025.78	33.7	32.21	-1.71	1025.91	39.6	32.25	-1.70	1025.94
26.6	32.06	-1.69	1025.79	33.8	32.21	-1.71	1025.91	39.7	32.26	-1.70	1025.95
26.8	32.06	-1.70	1025.79	33.9	32.21	-1.71	1025.91	39.8	32.25	-1.71	1025.94
26.9	32.02	-1.69	1025.76	34.0	32.20	-1.70	1025.90	39.9	32.26	-1.70	1025.95
27.0	32.04	-1.70	1025.77	34.1	32.20	-1.71	1025.90	40.1	32.25	-1.71	1025.94
27.1	32.07	-1.70	1025.80	34.3	32.21	-1.71	1025.91	40.2	32.26	-1.70	1025.95
27.4	32.07	-1.70	1025.80	34.4	32.22	-1.70	1025.92	40.3	32.26	-1.70	1025.95
27.5	32.08	-1.70	1025.80	34.5	32.22	-1.71	1025.92	40.6	32.26	-1.70	1025.95
27.6	32.08	-1.69	1025.80	34.6	32.22	-1.71	1025.92	40.7	32.26	-1.70	1025.95

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Table A1.52. Station 85108 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
40.8	32.25	-1.70	1025.94	43.6	32.27	-1.70	1025.96	46.1	32.29	-1.71	1025.98
40.9	32.26	-1.70	1025.95	43.8	32.27	-1.71	1025.96	46.2	32.28	-1.70	1025.97
41.1	32.26	-1.71	1025.95	43.9	32.27	-1.71	1025.96	46.4	32.27	-1.70	1025.96
41.3	32.26	-1.71	1025.95	44.0	32.27	-1.71	1025.96	46.6	32.28	-1.71	1025.97
41.4	32.26	-1.70	1025.95	44.1	32.28	-1.70	1025.97	46.7	32.27	-1.70	1025.96
41.6	32.26	-1.70	1025.95	44.3	32.28	-1.70	1025.97	46.8	32.26	-1.70	1025.95
41.7	32.27	-1.71	1025.96	44.4	32.29	-1.71	1025.98	47.1	32.29	-1.70	1025.98
41.8	32.26	-1.70	1025.95	44.5	32.28	-1.70	1025.97	47.2	32.28	-1.71	1025.97
41.9	32.26	-1.70	1025.95	44.6	32.27	-1.70	1025.96	47.4	32.28	-1.70	1025.97
42.0	32.26	-1.70	1025.95	44.8	32.27	-1.70	1025.96	47.5	32.28	-1.70	1025.97
42.2	32.27	-1.71	1025.96	44.9	32.28	-1.70	1025.97	47.6	32.26	-1.70	1025.95
42.5	32.26	-1.70	1025.95	45.0	32.27	-1.70	1025.96	47.7	32.28	-1.70	1025.97
42.7	32.27	-1.70	1025.96	45.1	32.28	-1.70	1025.97	47.8	32.28	-1.70	1025.97
42.8	32.27	-1.71	1025.96	45.2	32.28	-1.70	1025.97	48.0	32.28	-1.70	1025.97
43.0	32.26	-1.71	1025.95	45.5	32.28	-1.70	1025.97	48.1	32.29	-1.70	1025.98
43.1	32.27	-1.70	1025.96	45.6	32.27	-1.70	1025.96	48.2	32.27	-1.70	1025.96
43.4	32.27	-1.70	1025.96	45.7	32.28	-1.70	1025.97	48.5	32.27	-1.70	1025.96
43.5	32.27	-1.71	1025.96	45.9	32.28	-1.71	1025.97	48.6	32.28	-1.70	1025.97

Station: 85109 Date: Jul 24

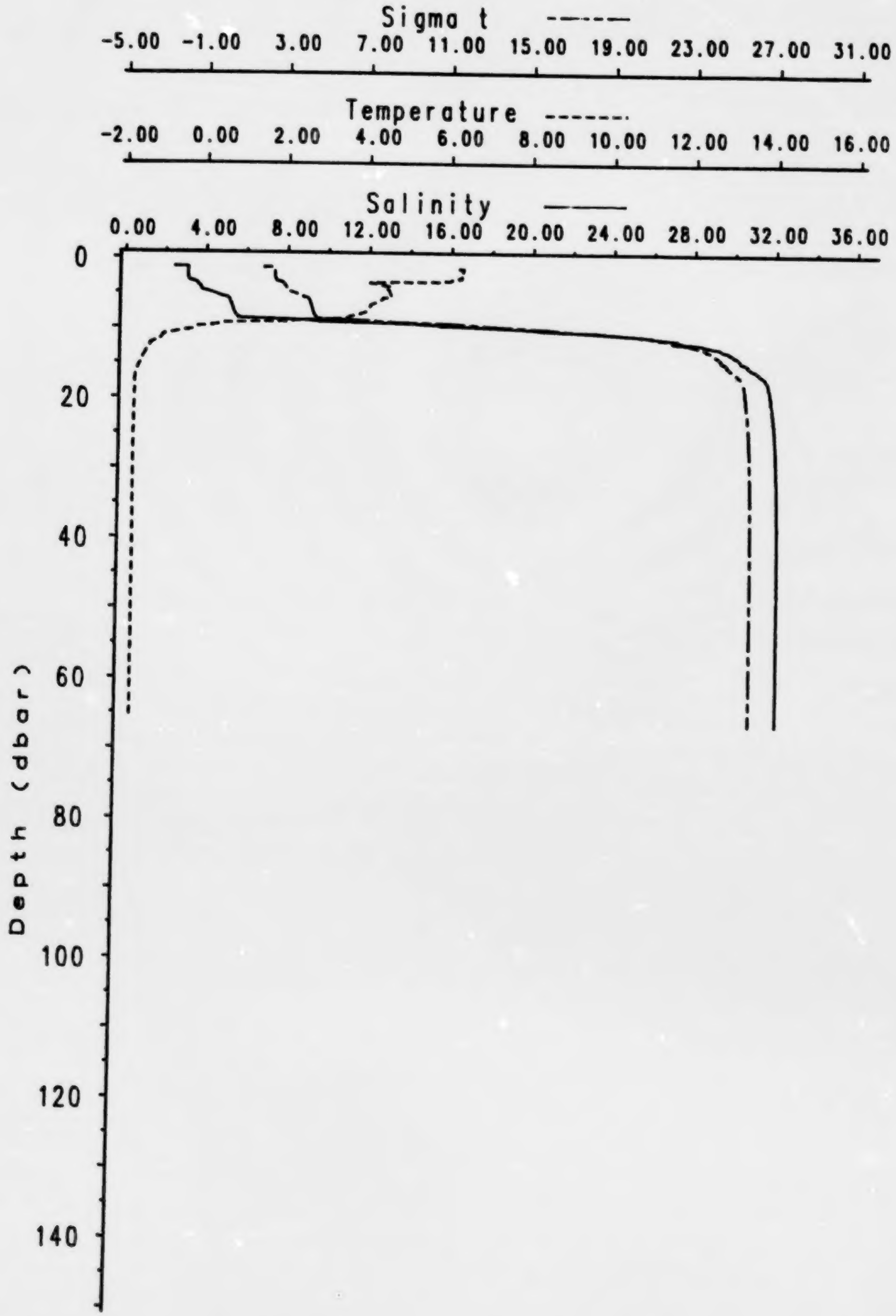

Table A1.53. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85109, July 24, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	2.54	6.24	1001.95	8.5	5.61	3.58	1004.47	14.7	30.47	-1.51	1024.49
1.6	3.22	6.35	1002.49	8.7	5.68	3.52	1004.52	14.8	30.57	-1.51	1024.58
1.7	3.23	6.35	1002.49	8.8	5.74	3.45	1004.57	14.9	30.65	-1.53	1024.64
2.0	3.21	6.33	1002.48	8.9	5.96	3.14	1004.75	15.1	30.71	-1.54	1024.69
2.1	3.21	6.34	1002.48	9.0	7.74	2.73	1006.17	15.2	30.68	-1.55	1024.67
2.2	3.20	6.30	1002.47	9.1	9.01	2.41	1007.19	15.3	30.75	-1.56	1024.72
2.3	3.21	6.31	1002.48	9.3	9.70	2.02	1007.74	15.6	30.87	-1.57	1024.82
2.5	3.21	6.32	1002.48	9.4	11.47	1.44	1009.16	15.7	30.95	-1.58	1024.88
2.6	3.21	6.31	1002.48	9.5	13.46	0.77	1010.75	15.8	31.07	-1.59	1024.98
2.7	3.21	6.30	1002.48	9.6	14.63	0.48	1011.69	16.0	31.14	-1.61	1025.04
2.9	3.21	6.27	1002.48	9.8	15.62	0.33	1012.49	16.2	31.25	-1.62	1025.13
3.0	3.21	6.30	1002.48	9.9	16.65	0.21	1013.32	16.3	31.29	-1.63	1025.16
3.1	3.23	6.17	1002.50	10.0	17.73	0.06	1014.19	16.4	31.28	-1.63	1025.15
3.2	3.24	6.05	1002.52	10.1	18.77	-0.11	1015.02	16.5	31.35	-1.64	1025.21
3.4	3.25	6.01	1002.53	10.2	19.75	-0.23	1015.81	16.7	31.44	-1.65	1025.28
3.5	3.30	5.58	1002.58	10.4	20.58	-0.27	1016.48	16.8	31.50	-1.65	1025.33
3.6	3.44	4.59	1002.72	10.5	21.59	-0.27	1017.30	16.9	31.54	-1.66	1025.37
3.7	3.56	4.06	1002.83	10.6	22.70	-0.38	1018.19	17.0	31.57	-1.67	1025.39
3.8	3.65	4.20	1002.90	10.7	23.45	-0.53	1018.80	17.1	31.57	-1.67	1025.39
4.1	3.72	4.44	1002.95	10.9	24.52	-0.68	1019.66	17.3	31.62	-1.67	1025.43
4.2	3.78	4.56	1002.99	11.1	25.46	-0.84	1020.43	17.4	31.64	-1.67	1025.45
4.3	3.82	4.59	1003.02	11.2	25.96	-0.97	1020.83	17.5	31.67	-1.67	1025.47
4.5	3.86	4.57	1003.06	11.5	26.65	-1.02	1021.39	17.8	31.71	-1.68	1025.50
4.6	3.88	4.49	1003.07	11.6	27.22	-1.01	1021.85	17.9	31.72	-1.68	1025.51
4.7	3.89	4.53	1003.08	11.9	27.46	-1.06	1022.05	18.0	31.74	-1.68	1025.53
4.8	3.89	4.53	1003.08	12.0	27.70	-1.12	1022.24	18.1	31.74	-1.67	1025.53
5.6	4.74	4.59	1003.75	12.1	28.11	-1.14	1022.57	18.3	31.75	-1.68	1025.54
5.7	4.83	4.54	1003.83	12.2	28.43	-1.20	1022.83	18.4	31.74	-1.67	1025.53
5.8	5.00	4.45	1003.96	12.4	28.72	-1.26	1023.07	18.5	31.77	-1.68	1025.55
5.9	5.15	4.38	1004.09	12.5	28.88	-1.30	1023.20	18.6	31.78	-1.68	1025.56
6.1	5.24	4.36	1004.16	12.6	29.00	-1.30	1023.30	18.9	31.80	-1.68	1025.58
6.3	5.27	4.31	1004.18	12.7	29.29	-1.31	1023.53	19.1	31.82	-1.67	1025.59
6.4	5.30	4.23	1004.21	12.8	29.35	-1.32	1023.58	19.2	31.82	-1.68	1025.59
6.7	5.32	4.15	1004.23	13.0	29.44	-1.33	1023.66	19.4	31.82	-1.68	1025.59
6.8	5.36	4.09	1004.26	13.1	29.55	-1.34	1023.74	19.5	31.81	-1.67	1025.58
6.9	5.37	4.07	1004.27	13.2	29.75	-1.35	1023.91	19.6	31.82	-1.68	1025.59
7.0	5.37	4.07	1004.27	13.3	29.75	-1.35	1023.91	19.7	31.85	-1.67	1025.62
7.2	5.40	4.05	1004.29	13.5	29.91	-1.38	1024.04	19.9	31.84	-1.68	1025.61
7.4	5.43	4.02	1004.32	13.6	29.99	-1.41	1024.10	20.0	31.86	-1.68	1025.63
7.5	5.45	4.01	1004.33	13.7	30.00	-1.42	1024.11	20.2	31.85	-1.68	1025.62
7.7	5.46	3.97	1004.34	13.8	30.05	-1.42	1024.15	20.3	31.86	-1.68	1025.63
7.8	5.47	3.96	1004.35	13.9	30.16	-1.44	1024.24	20.5	31.83	-1.68	1025.60
7.9	5.48	3.94	1004.36	14.1	30.22	-1.45	1024.29	20.6	31.89	-1.68	1025.65
8.1	5.52	3.84	1004.39	14.2	30.29	-1.46	1024.35	21.5	31.93	-1.69	1025.68
8.3	5.55	3.73	1004.42	14.4	30.34	-1.48	1024.39	21.7	31.93	-1.69	1025.68
8.4	5.58	3.64	1004.44	14.6	30.36	-1.49	1024.40	21.8	31.93	-1.68	1025.68

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Table A1.53. Station 85109 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
22.1	31.92	-1.68	1025.67	28.2	32.12	-1.70	1025.84	35.0	32.21	-1.69	1025.91
22.2	31.98	-1.69	1025.72	28.4	32.13	-1.70	1025.85	35.1	32.20	-1.69	1025.90
22.5	31.95	-1.69	1025.70	28.5	32.13	-1.70	1025.85	35.3	32.20	-1.69	1025.90
22.6	31.96	-1.69	1025.71	28.6	32.14	-1.70	1025.85	35.4	32.20	-1.69	1025.90
22.7	31.97	-1.69	1025.72	28.7	32.13	-1.70	1025.85	35.5	32.22	-1.69	1025.92
22.8	31.98	-1.69	1025.72	28.9	32.14	-1.70	1025.85	35.8	32.22	-1.69	1025.92
22.9	32.00	-1.69	1025.74	29.0	32.12	-1.70	1025.84	35.9	32.21	-1.69	1025.91
23.1	31.99	-1.69	1025.73	29.1	32.13	-1.70	1025.85	36.0	32.22	-1.69	1025.92
23.2	31.96	-1.68	1025.71	29.2	32.14	-1.70	1025.85	36.1	32.22	-1.69	1025.92
23.3	31.99	-1.69	1025.73	29.5	32.15	-1.70	1025.86	36.3	32.21	-1.69	1025.91
23.6	32.01	-1.69	1025.75	29.6	32.14	-1.70	1025.85	36.4	32.21	-1.69	1025.91
23.7	32.04	-1.69	1025.77	29.7	32.15	-1.70	1025.86	36.5	32.22	-1.69	1025.92
23.8	32.01	-1.69	1025.75	30.0	32.14	-1.70	1025.85	36.6	32.21	-1.69	1025.91
23.9	32.01	-1.69	1025.75	30.1	32.16	-1.70	1025.87	36.8	32.22	-1.69	1025.92
24.1	32.02	-1.69	1025.76	30.2	32.15	-1.70	1025.86	36.9	32.22	-1.69	1025.92
24.2	32.02	-1.69	1025.76	30.4	32.17	-1.70	1025.88	37.0	32.22	-1.69	1025.92
24.3	32.05	-1.69	1025.78	30.5	32.16	-1.70	1025.87	37.1	32.22	-1.69	1025.92
24.4	32.04	-1.70	1025.77	30.6	32.16	-1.70	1025.87	37.2	32.22	-1.69	1025.92
24.6	32.05	-1.69	1025.78	30.7	32.16	-1.70	1025.87	37.5	32.22	-1.69	1025.92
24.7	32.05	-1.70	1025.78	30.8	32.16	-1.70	1025.87	37.6	32.22	-1.69	1025.92
24.8	32.05	-1.69	1025.78	31.0	32.16	-1.70	1025.87	37.7	32.23	-1.69	1025.93
24.9	32.07	-1.70	1025.80	31.1	32.16	-1.70	1025.87	38.0	32.22	-1.69	1025.92
25.0	32.05	-1.70	1025.78	31.2	32.17	-1.70	1025.88	38.1	32.23	-1.69	1025.93
25.2	32.06	-1.70	1025.79	31.3	32.17	-1.70	1025.88	38.3	32.23	-1.69	1025.93
25.3	32.05	-1.69	1025.78	31.5	32.18	-1.70	1025.89	38.5	32.23	-1.69	1025.93
25.4	32.06	-1.70	1025.79	31.7	32.16	-1.70	1025.87	38.6	32.23	-1.69	1025.93
25.5	32.07	-1.69	1025.80	31.8	32.18	-1.70	1025.89	38.7	32.22	-1.69	1025.92
25.7	32.08	-1.69	1025.80	31.9	32.18	-1.70	1025.89	38.8	32.23	-1.69	1025.93
25.8	32.07	-1.69	1025.80	32.1	32.18	-1.70	1025.89	39.1	32.22	-1.69	1025.92
25.9	32.06	-1.69	1025.79	32.2	32.18	-1.70	1025.89	39.2	32.23	-1.69	1025.93
26.0	32.07	-1.70	1025.80	32.4	32.18	-1.70	1025.89	39.4	32.23	-1.69	1025.93
26.1	32.10	-1.70	1025.82	32.6	32.19	-1.70	1025.89	39.6	32.23	-1.69	1025.93
26.3	32.08	-1.70	1025.80	32.7	32.20	-1.70	1025.90	39.7	32.23	-1.69	1025.93
26.4	32.08	-1.70	1025.80	32.9	32.19	-1.69	1025.89	40.5	32.24	-1.69	1025.93
26.5	32.09	-1.69	1025.81	33.1	32.19	-1.70	1025.89	40.7	32.24	-1.69	1025.93
26.6	32.10	-1.70	1025.82	33.2	32.18	-1.70	1025.89	40.8	32.23	-1.69	1025.93
26.8	32.09	-1.69	1025.81	33.4	32.20	-1.70	1025.90	40.9	32.23	-1.69	1025.93
26.9	32.09	-1.69	1025.81	33.6	32.20	-1.69	1025.90	41.1	32.23	-1.69	1025.93
27.0	32.10	-1.69	1025.82	33.8	32.19	-1.70	1025.89	41.2	32.24	-1.69	1025.93
27.1	32.10	-1.70	1025.82	34.0	32.19	-1.69	1025.89	41.3	32.24	-1.69	1025.93
27.4	32.11	-1.69	1025.83	34.2	32.21	-1.70	1025.91	41.4	32.23	-1.69	1025.93
27.5	32.12	-1.70	1025.84	34.3	32.21	-1.69	1025.91	41.6	32.25	-1.69	1025.94
27.6	32.12	-1.70	1025.84	34.4	32.19	-1.69	1025.89	41.7	32.25	-1.69	1025.94
27.8	32.12	-1.70	1025.84	34.5	32.20	-1.69	1025.90	41.9	32.25	-1.69	1025.94
27.9	32.12	-1.69	1025.84	34.8	32.21	-1.69	1025.91	42.1	32.25	-1.69	1025.94
28.0	32.13	-1.70	1025.85	34.9	32.21	-1.69	1025.91	42.2	32.24	-1.69	1025.93

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Table A1.53. Station 85109 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
42.3	32.25	-1.69	1025.94	49.2	32.25	-1.68	1025.94	56.2	32.27	-1.69	1025.96
42.4	32.25	-1.69	1025.94	49.3	32.27	-1.69	1025.96	56.4	32.26	-1.69	1025.95
42.6	32.24	-1.69	1025.93	49.5	32.25	-1.68	1025.94	56.6	32.27	-1.69	1025.96
42.7	32.25	-1.69	1025.94	49.6	32.25	-1.68	1025.94	56.7	32.26	-1.69	1025.95
42.8	32.25	-1.69	1025.94	49.7	32.26	-1.68	1025.95	56.8	32.26	-1.69	1025.95
42.9	32.25	-1.69	1025.94	49.8	32.25	-1.69	1025.94	57.0	32.26	-1.69	1025.95
43.0	32.24	-1.69	1025.93	49.9	32.25	-1.68	1025.94	57.1	32.27	-1.69	1025.96
43.2	32.25	-1.69	1025.94	50.1	32.26	-1.69	1025.95	57.2	32.28	-1.69	1025.97
43.3	32.25	-1.69	1025.94	50.2	32.26	-1.68	1025.95	57.4	32.27	-1.69	1025.96
43.4	32.25	-1.69	1025.94	50.3	32.25	-1.68	1025.94	57.6	32.27	-1.68	1025.96
43.7	32.25	-1.69	1025.94	50.4	32.26	-1.69	1025.95	57.7	32.27	-1.69	1025.96
43.8	32.24	-1.69	1025.93	50.6	32.24	-1.68	1025.93	58.0	32.27	-1.69	1025.96
43.9	32.24	-1.69	1025.93	50.7	32.26	-1.69	1025.95	58.1	32.27	-1.69	1025.96
44.0	32.25	-1.69	1025.94	50.8	32.25	-1.68	1025.94	58.2	32.27	-1.69	1025.96
44.1	32.24	-1.69	1025.93	50.9	32.26	-1.68	1025.95	58.3	32.27	-1.68	1025.96
44.3	32.24	-1.69	1025.93	51.1	32.25	-1.68	1025.94	58.5	32.28	-1.69	1025.97
44.4	32.25	-1.69	1025.94	51.2	32.27	-1.69	1025.96	58.6	32.28	-1.69	1025.97
44.6	32.26	-1.69	1025.95	51.3	32.25	-1.68	1025.94	58.8	32.27	-1.69	1025.96
44.8	32.25	-1.69	1025.94	51.4	32.27	-1.69	1025.96	58.9	32.27	-1.68	1025.96
44.9	32.24	-1.69	1025.93	51.6	32.27	-1.69	1025.96	59.1	32.26	-1.68	1025.95
45.0	32.26	-1.68	1025.95	51.7	32.26	-1.69	1025.95	59.2	32.27	-1.69	1025.96
45.1	32.26	-1.68	1025.95	51.8	32.26	-1.69	1025.95	59.3	32.28	-1.69	1025.97
45.3	32.27	-1.69	1025.96	51.9	32.26	-1.68	1025.95	59.4	32.27	-1.68	1025.96
45.4	32.26	-1.69	1025.95	52.0	32.26	-1.69	1025.95	59.6	32.27	-1.68	1025.96
45.5	32.26	-1.69	1025.95	52.2	32.26	-1.69	1025.95	59.7	32.27	-1.69	1025.96
45.6	32.26	-1.68	1025.95	52.9	32.26	-1.68	1025.95	59.8	32.26	-1.68	1025.95
45.8	32.25	-1.69	1025.94	53.0	32.25	-1.68	1025.94	59.9	32.27	-1.68	1025.96
45.9	32.27	-1.69	1025.96	53.1	32.27	-1.69	1025.96	60.1	32.27	-1.68	1025.96
46.0	32.27	-1.69	1025.96	53.3	32.27	-1.69	1025.96	60.3	32.27	-1.69	1025.96
46.2	32.26	-1.69	1025.95	53.4	32.26	-1.68	1025.95	60.4	32.26	-1.68	1025.95
46.4	32.27	-1.69	1025.96	54.1	32.26	-1.69	1025.95	60.6	32.28	-1.69	1025.97
46.5	32.26	-1.69	1025.95	54.3	32.27	-1.69	1025.96	60.7	32.28	-1.69	1025.97
46.6	32.24	-1.68	1025.93	54.4	32.26	-1.69	1025.95	60.8	32.26	-1.68	1025.95
46.9	32.27	-1.69	1025.96	54.5	32.26	-1.69	1025.95	60.9	32.27	-1.69	1025.96
47.0	32.26	-1.69	1025.95	54.6	32.27	-1.69	1025.96	61.0	32.28	-1.69	1025.97
47.1	32.27	-1.69	1025.96	54.8	32.27	-1.69	1025.96	61.3	32.27	-1.68	1025.96
47.2	32.26	-1.69	1025.95	54.9	32.26	-1.69	1025.95	61.4	32.27	-1.69	1025.96
47.4	32.27	-1.69	1025.96	55.0	32.25	-1.68	1025.94	61.5	32.26	-1.68	1025.95
47.5	32.27	-1.68	1025.96	55.1	32.26	-1.68	1025.95	61.7	32.27	-1.69	1025.96
47.6	32.25	-1.69	1025.94	55.3	32.26	-1.68	1025.95	61.8	32.27	-1.68	1025.96
47.7	32.26	-1.68	1025.95	55.4	32.25	-1.68	1025.94	62.0	32.28	-1.69	1025.97
47.8	32.27	-1.69	1025.96	55.5	32.26	-1.68	1025.95	62.3	32.27	-1.69	1025.96
48.0	32.26	-1.69	1025.95	55.7	32.26	-1.68	1025.95	62.4	32.28	-1.69	1025.97
48.1	32.26	-1.69	1025.95	55.9	32.27	-1.68	1025.96	62.5	32.27	-1.68	1025.96
48.8	32.26	-1.69	1025.95	56.0	32.27	-1.68	1025.96	62.6	32.27	-1.68	1025.96
49.1	32.25	-1.69	1025.94	56.1	32.27	-1.69	1025.96	62.9	32.27	-1.68	1025.96

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Table A1.53. Station 85109 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
63.0	32.26	-1.68	1025.95	64.4	32.27	-1.68	1025.96	65.6	32.26	-1.68	1025.95
63.3	32.27	-1.68	1025.96	64.5	32.27	-1.69	1025.96	65.7	32.28	-1.68	1025.97
63.4	32.27	-1.68	1025.96	64.6	32.27	-1.68	1025.96	66.0	32.26	-1.68	1025.95
63.6	32.27	-1.68	1025.96	64.7	32.26	-1.68	1025.95	66.1	32.27	-1.69	1025.96
63.8	32.28	-1.69	1025.97	64.9	32.27	-1.68	1025.96	66.2	32.27	-1.68	1025.96
63.9	32.27	-1.69	1025.96	65.0	32.27	-1.69	1025.96	66.4	32.26	-1.68	1025.95
64.0	32.27	-1.68	1025.96	65.1	32.27	-1.68	1025.96	66.5	32.26	-1.68	1025.95
64.1	32.27	-1.68	1025.96	65.2	32.27	-1.68	1025.96				
64.3	32.27	-1.68	1025.96	65.5	32.27	-1.69	1025.96				

Station: 85111 Date: Jul 25

Table A1.54. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85111, July 25, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.9	4.80	6.34	1003.74	5.2	5.13	5.94	1004.02	8.9	22.43	-0.45	1017.98
1.0	4.81	6.34	1003.74	5.4	5.15	5.94	1004.03	9.1	22.77	-0.53	1018.25
1.1	4.80	6.35	1003.73	5.6	5.16	5.93	1004.04	9.2	23.48	-0.60	1018.82
1.2	4.80	6.34	1003.74	5.7	5.17	5.87	1004.05	10.2	27.05	-1.14	1021.72
1.3	4.81	6.34	1003.74	5.8	5.20	5.85	1004.07	10.3	27.33	-1.17	1021.94
1.5	4.81	6.33	1003.74	5.9	5.21	5.84	1004.08	10.5	27.68	-1.21	1022.23
1.6	4.81	6.33	1003.74	6.2	5.21	5.83	1004.08	10.7	28.04	-1.25	1022.52
1.7	4.81	6.33	1003.74	6.3	5.21	5.82	1004.12	11.0	28.30	-1.27	1022.73
1.9	4.81	6.32	1003.74	6.4	5.24	5.80	1004.11	11.1	28.39	-1.30	1022.80
2.0	4.81	6.30	1003.75	6.5	5.24	5.78	1004.11	11.2	28.50	-1.31	1022.89
2.1	4.81	6.30	1003.75	6.7	5.25	5.75	1004.12	11.4	28.56	-1.32	1022.94
2.2	4.83	6.30	1003.76	6.8	5.26	5.74	1004.13	11.5	28.64	-1.34	1023.01
2.4	4.82	6.30	1003.75	6.9	5.27	5.73	1004.14	11.6	28.72	-1.35	1023.07
2.5	4.83	6.30	1003.76	7.0	5.31	5.57	1004.17	11.7	28.87	-1.36	1023.19
2.6	4.83	6.29	1003.76	7.1	5.41	5.11	1004.27	12.0	28.99	-1.34	1023.29
2.7	4.83	6.30	1003.76	7.3	5.47	4.80	1004.33	12.1	29.11	-1.32	1023.39
2.8	4.83	6.28	1003.76	7.4	5.94	3.94	1004.72	12.2	29.19	-1.33	1023.45
3.1	4.84	6.26	1003.77	7.7	11.86	2.54	1009.46	12.3	29.27	-1.34	1023.52
3.2	4.85	6.25	1003.78	7.8	13.79	1.64	1011.02	12.5	29.38	-1.38	1023.61
3.3	4.85	6.25	1003.78	7.9	14.62	0.62	1011.69	12.7	29.49	-1.41	1023.70
3.5	4.86	6.22	1003.79	8.0	16.08	0.42	1012.86	12.8	29.53	-1.40	1023.73
3.6	4.86	6.22	1003.79	8.1	17.73	0.19	1014.19	12.9	29.60	-1.38	1023.79
3.7	4.88	6.20	1003.81	8.3	19.40	-0.04	1015.53	13.1	29.71	-1.35	1023.87
3.8	4.88	6.19	1003.81	8.4	19.01	-0.02	1015.22	13.3	29.93	-1.35	1024.05
4.8	5.12	5.95	1004.01	8.5	20.19	-0.15	1016.17	13.4	29.60	-1.38	1023.79
4.9	5.13	5.94	1004.02	8.6	20.55	-0.20	1016.46	13.6	29.86	-1.38	1024.00
5.1	5.13	5.94	1004.02	8.8	21.46	-0.31	1017.19				

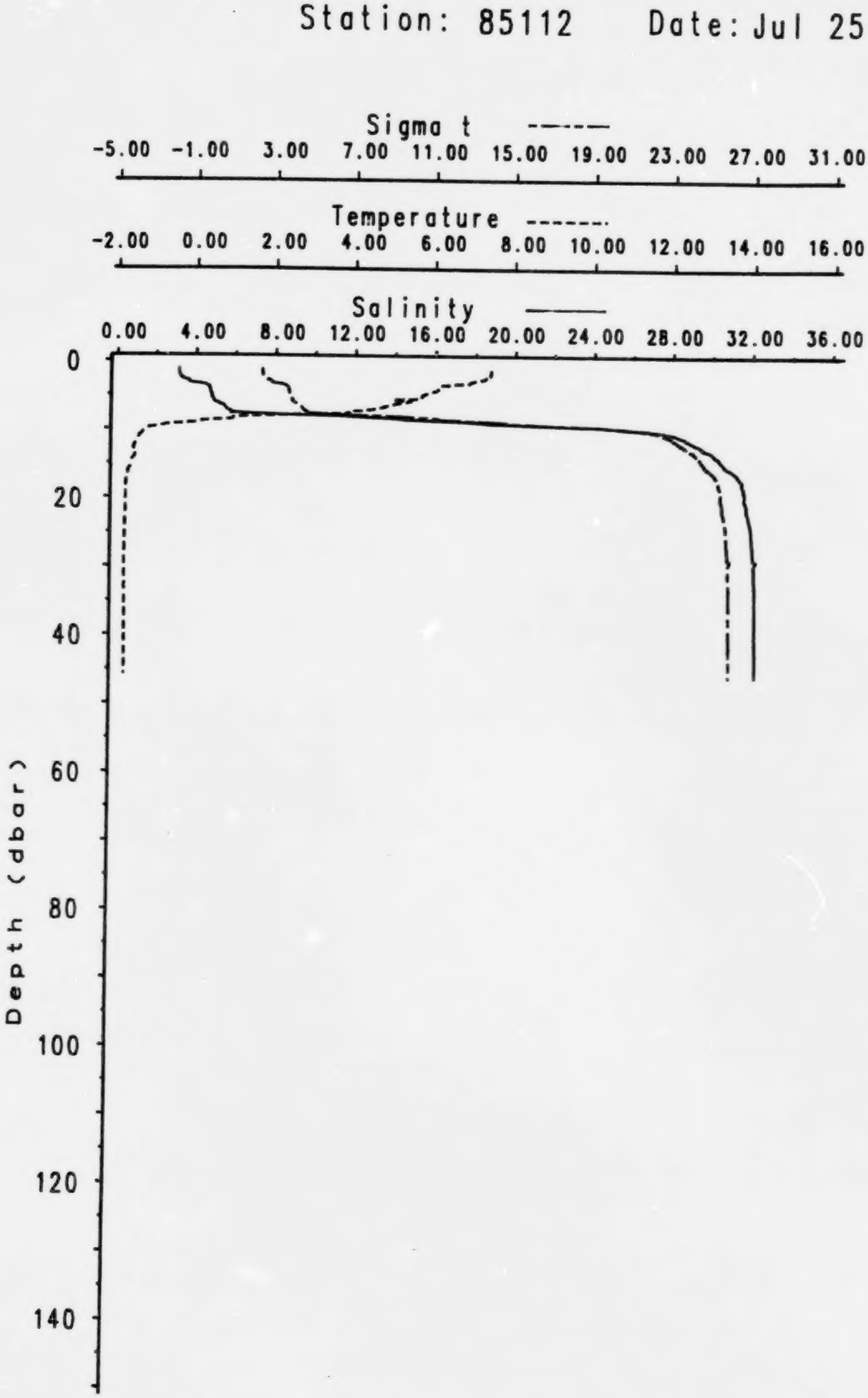
Station: 85112 Date: Jul 25
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
20
40
60
80
100
120
140

Table A1.55. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85112, July 25, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.0	3.28	7.45	1002.47	7.0	5.74	4.30	1004.56	13.3	30.17	-1.42	1024.25
1.1	3.28	7.46	1002.47	7.1	5.88	4.00	1004.67	13.4	30.16	-1.43	1024.30
1.2	3.29	7.45	1002.48	7.3	5.94	3.87	1004.72	13.6	30.32	-1.45	1024.37
1.3	3.28	7.44	1002.48	7.4	5.90	3.93	1004.69	13.7	30.34	-1.46	1024.39
1.5	3.27	7.46	1002.47	7.5	6.72	3.47	1005.35	13.8	30.40	-1.47	1024.44
1.6	3.29	7.44	1002.48	7.7	9.16	2.31	1007.31	13.9	30.42	-1.47	1024.45
1.7	3.30	7.43	1002.49	7.8	11.51	1.77	1009.19	14.1	30.48	-1.49	1024.50
1.9	3.31	7.43	1002.50	8.0	12.92	1.16	1010.32	14.2	30.46	-1.51	1024.49
2.0	3.37	7.33	1002.55	8.1	14.04	1.00	1011.22	14.3	30.51	-1.54	1024.53
2.2	3.38	7.31	1002.56	8.3	14.68	0.99	1011.73	14.4	30.59	-1.54	1024.59
2.4	3.47	7.26	1002.64	8.4	15.77	0.84	1012.61	14.7	30.65	-1.56	1024.64
2.5	3.52	7.13	1002.68	8.5	17.14	0.47	1013.71	14.9	30.67	-1.55	1024.66
2.6	3.67	7.04	1002.81	8.6	18.22	0.24	1014.58	15.0	30.78	-1.56	1024.75
2.7	3.76	7.00	1002.88	8.8	18.83	0.14	1015.07	15.2	30.77	-1.56	1024.74
2.8	3.81	6.93	1002.92	8.9	19.92	-0.02	1015.95	15.3	30.92	-1.57	1024.86
3.0	3.84	6.90	1002.95	9.0	21.05	-0.23	1016.86	15.4	30.97	-1.58	1024.90
3.1	4.07	6.48	1003.15	9.1	23.00	-0.49	1018.44	15.5	31.05	-1.59	1024.97
3.2	4.36	6.37	1003.39	9.2	24.32	-0.67	1019.50	15.7	31.13	-1.61	1025.03
3.3	4.61	6.15	1003.59	9.4	25.35	-0.83	1020.34	15.8	31.16	-1.62	1025.06
3.6	4.78	6.16	1003.73	9.5	25.77	-0.95	1020.68	15.9	31.23	-1.62	1025.11
3.7	4.82	6.13	1003.76	9.6	26.42	-1.06	1021.21	16.0	31.29	-1.63	1025.16
3.8	4.83	6.13	1003.77	9.7	26.88	-1.13	1021.58	16.1	31.32	-1.63	1025.19
3.9	4.85	6.12	1003.79	9.9	27.61	-1.19	1022.17	16.3	31.31	-1.63	1025.18
4.1	4.86	6.08	1003.80	10.1	27.90	-1.22	1022.41	16.4	31.34	-1.63	1025.20
4.2	4.86	5.97	1003.80	10.2	28.10	-1.23	1022.57	16.5	31.41	-1.64	1025.26
4.3	4.88	5.93	1003.82	10.3	28.20	-1.27	1022.65	16.7	31.43	-1.65	1025.28
4.4	4.88	5.88	1003.82	10.5	28.36	-1.28	1022.78	16.9	31.50	-1.66	1025.33
4.6	4.90	5.79	1003.84	10.6	28.46	-1.30	1022.86	17.0	31.56	-1.67	1025.38
4.7	4.94	5.74	1003.87	10.7	28.65	-1.34	1023.01	17.1	31.57	-1.67	1025.39
4.8	4.95	5.73	1003.88	11.0	28.73	-1.36	1023.08	17.3	31.56	-1.67	1025.38
4.9	4.95	5.72	1003.88	11.1	28.84	-1.38	1023.17	17.4	31.54	-1.67	1025.37
5.1	4.95	5.70	1003.88	11.2	28.91	-1.40	1023.23	17.5	31.54	-1.67	1025.37
5.2	4.97	5.69	1003.90	11.4	29.02	-1.41	1023.32	17.8	31.57	-1.68	1025.39
5.3	5.00	5.60	1003.93	11.6	29.17	-1.43	1023.44	17.9	31.60	-1.67	1025.41
5.4	5.04	5.00	1003.98	11.7	29.16	-1.43	1023.43	18.0	31.60	-1.68	1025.41
5.6	5.04	5.46	1003.96	11.8	29.35	-1.44	1023.58	18.1	31.65	-1.68	1025.46
5.7	5.07	5.36	1003.99	12.0	29.46	-1.46	1023.67	18.2	31.65	-1.68	1025.46
5.8	5.12	5.25	1004.04	12.1	29.44	-1.47	1023.66	18.4	31.63	-1.67	1025.44
5.9	5.18	5.15	1004.09	12.2	29.59	-1.48	1023.78	18.5	31.64	-1.68	1025.45
6.0	5.28	5.06	1004.17	12.3	29.55	-1.48	1023.75	18.6	31.64	-1.67	1025.45
6.2	5.38	4.96	1004.25	12.5	29.64	-1.48	1023.82	18.7	31.69	-1.68	1025.49
6.3	5.51	4.86	1004.36	12.6	29.78	-1.50	1023.93	18.9	31.70	-1.68	1025.50
6.4	5.57	4.79	1004.41	12.7	29.96	-1.49	1024.08	19.9	31.66	-1.68	1025.46
6.5	5.60	4.76	1004.43	12.9	30.04	-1.46	1024.14	20.0	31.73	-1.68	1025.52
6.7	5.65	4.63	1004.48	13.1	30.09	-1.44	1024.18	20.1	31.75	-1.68	1025.54
6.9	5.72	4.36	1004.54	13.2	30.16	-1.41	1024.24	20.2	31.75	-1.68	1025.54

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Table A1.55. Station 85112 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
20.4	31.76	-1.68	1025.54	26.8	32.12	-1.70	1025.84	33.9	32.22	-1.70	1025.92
20.5	31.78	-1.68	1025.56	27.0	32.10	-1.70	1025.82	34.0	32.23	-1.70	1025.93
20.6	31.79	-1.68	1025.57	27.1	32.11	-1.70	1025.83	34.9	32.23	-1.70	1025.93
20.7	31.79	-1.68	1025.57	27.2	32.10	-1.70	1025.82	35.0	32.22	-1.70	1025.92
20.8	31.80	-1.68	1025.58	27.4	32.11	-1.70	1025.83	35.1	32.24	-1.70	1025.93
21.0	31.80	-1.68	1025.58	27.5	32.12	-1.70	1025.84	35.3	32.24	-1.70	1025.93
21.1	31.79	-1.68	1025.57	27.7	32.12	-1.70	1025.84	35.4	32.24	-1.70	1025.93
21.2	31.80	-1.68	1025.58	28.0	32.13	-1.70	1025.85	35.5	32.23	-1.70	1025.93
21.3	31.81	-1.68	1025.59	28.1	32.14	-1.71	1025.85	35.6	32.24	-1.70	1025.93
21.5	31.82	-1.68	1025.59	28.3	32.14	-1.71	1025.85	35.8	32.23	-1.70	1025.93
21.6	31.82	-1.68	1025.59	28.5	32.14	-1.71	1025.85	35.9	32.25	-1.70	1025.94
21.7	31.83	-1.68	1025.60	28.6	32.30	-1.71	1025.98	36.0	32.24	-1.70	1025.93
21.8	31.84	-1.68	1025.61	29.4	32.16	-1.71	1025.87	36.1	32.24	-1.70	1025.93
21.9	31.86	-1.68	1025.63	29.5	32.16	-1.71	1025.87	36.2	32.24	-1.70	1025.93
22.1	31.89	-1.69	1025.65	29.6	32.16	-1.71	1025.87	36.4	32.23	-1.70	1025.93
22.2	31.89	-1.69	1025.65	29.7	32.19	-1.71	1025.89	36.5	32.25	-1.70	1025.94
22.3	31.89	-1.69	1025.65	29.8	32.19	-1.71	1025.89	36.6	32.23	-1.70	1025.93
22.4	31.90	-1.69	1025.66	30.0	32.18	-1.71	1025.89	36.7	32.23	-1.70	1025.93
22.6	31.91	-1.69	1025.67	30.1	32.18	-1.71	1025.89	36.9	32.23	-1.70	1025.93
22.8	31.93	-1.69	1025.68	30.3	32.18	-1.71	1025.89	37.0	32.24	-1.70	1025.93
23.1	31.95	-1.69	1025.70	30.5	32.18	-1.70	1025.89	37.1	32.25	-1.70	1025.94
23.2	31.95	-1.68	1025.70	30.6	32.19	-1.71	1025.89	37.2	32.24	-1.70	1025.93
23.3	31.96	-1.69	1025.71	30.7	32.19	-1.70	1025.89	37.5	32.25	-1.70	1025.94
23.4	31.99	-1.69	1025.73	30.8	32.18	-1.70	1025.89	37.6	32.25	-1.70	1025.94
23.6	32.00	-1.69	1025.74	30.9	32.19	-1.71	1025.89	37.7	32.25	-1.70	1025.94
23.8	32.02	-1.69	1025.76	31.1	32.19	-1.70	1025.89	37.8	32.25	-1.70	1025.94
23.9	32.02	-1.69	1025.76	31.3	32.20	-1.70	1025.90	38.1	32.25	-1.70	1025.94
24.2	32.03	-1.69	1025.76	31.4	32.20	-1.70	1025.90	38.2	32.23	-1.69	1025.93
24.3	32.04	-1.69	1025.77	31.6	32.20	-1.70	1025.90	38.4	32.25	-1.70	1025.94
24.4	32.02	-1.69	1025.76	31.7	32.21	-1.71	1025.91	38.5	32.23	-1.69	1025.93
24.5	32.04	-1.69	1025.77	31.8	32.21	-1.71	1025.91	38.7	32.25	-1.70	1025.94
24.7	32.03	-1.69	1025.76	32.1	32.22	-1.70	1025.92	38.8	32.23	-1.69	1025.93
24.8	32.04	-1.69	1025.77	32.2	32.21	-1.71	1025.91	39.1	32.25	-1.70	1025.94
24.9	32.05	-1.70	1025.78	32.3	32.21	-1.70	1025.91	39.2	32.23	-1.70	1025.93
25.1	32.06	-1.69	1025.79	32.4	32.23	-1.71	1025.93	39.5	32.26	-1.69	1025.95
25.3	32.04	-1.69	1025.77	32.6	32.20	-1.70	1025.90	39.6	32.24	-1.70	1025.93
25.4	32.07	-1.69	1025.80	32.7	32.23	-1.71	1025.93	39.7	32.25	-1.69	1025.94
25.5	32.06	-1.69	1025.79	32.8	32.22	-1.70	1025.92	39.8	32.25	-1.70	1025.94
25.6	32.07	-1.70	1025.80	32.9	32.22	-1.70	1025.92	39.9	32.24	-1.69	1025.93
25.9	32.07	-1.70	1025.80	33.0	32.22	-1.70	1025.92	40.1	32.25	-1.69	1025.94
26.0	32.07	-1.70	1025.80	33.2	32.23	-1.70	1025.93	40.2	32.26	-1.70	1025.95
26.1	32.07	-1.70	1025.80	33.3	32.23	-1.71	1025.93	40.3	32.26	-1.70	1025.95
26.3	32.08	-1.69	1025.80	33.4	32.22	-1.70	1025.92	40.4	32.25	-1.70	1025.94
26.4	32.09	-1.69	1025.81	33.5	32.22	-1.71	1025.92	40.6	32.24	-1.69	1025.93
26.5	32.09	-1.69	1025.81	33.7	32.23	-1.71	1025.93	40.7	32.25	-1.70	1025.94
26.6	32.10	-1.70	1025.82	33.8	32.22	-1.70	1025.92	40.8	32.26	-1.69	1025.95

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Table A1.55. Station 85112 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
40.9	32.25	-1.70	1025.94	42.8	32.27	-1.70	1025.96	44.3	32.26	-1.70	1025.95
41.1	32.25	-1.69	1025.94	42.9	32.26	-1.70	1025.95	44.4	32.27	-1.69	1025.96
41.2	32.25	-1.69	1025.94	43.0	32.26	-1.69	1025.95	44.5	32.27	-1.70	1025.96
41.3	32.27	-1.70	1025.96	43.1	32.26	-1.70	1025.95	44.6	32.25	-1.69	1025.94
41.6	32.24	-1.69	1025.93	43.3	32.26	-1.70	1025.95	44.8	32.27	-1.70	1025.96
41.8	32.26	-1.70	1025.95	43.4	32.27	-1.70	1025.96	45.0	32.26	-1.69	1025.95
41.9	32.26	-1.70	1025.95	43.5	32.25	-1.69	1025.94	45.1	32.26	-1.70	1025.95
42.2	32.27	-1.70	1025.96	43.6	32.27	-1.69	1025.96	45.2	32.27	-1.69	1025.96
42.3	32.27	-1.69	1025.96	43.8	32.27	-1.70	1025.96	45.4	32.27	-1.70	1025.96
42.4	32.26	-1.70	1025.95	43.9	32.27	-1.69	1025.96	45.5	32.27	-1.70	1025.96
42.5	32.27	-1.70	1025.96	44.1	32.27	-1.70	1025.96	45.6	32.25	-1.69	1025.94

Station: 85113 Date: Jul 25

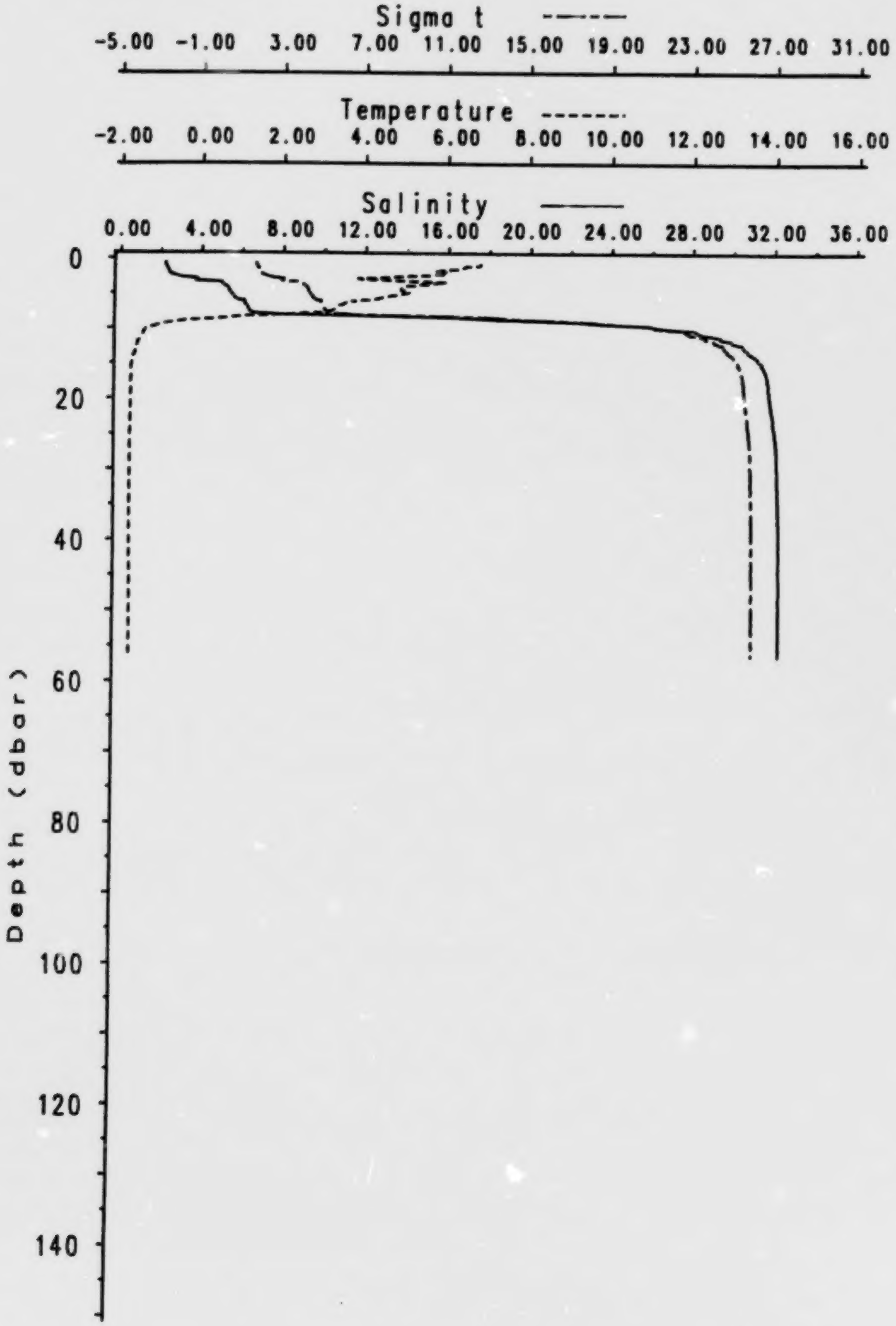

Table A1.56. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85113, July 25, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.9	2.28	6.80	1001.72	8.1	6.78	2.57	1005.41	14.7	31.31	-1.65	1025.18
1.0	2.27	6.79	1001.71	8.3	8.07	2.12	1006.44	14.8	31.37	-1.66	1025.23
1.1	2.28	6.81	1001.72	8.4	10.72	1.79	1008.56	15.0	31.39	-1.67	1025.24
1.2	2.28	6.73	1001.73	8.5	13.90	1.29	1011.11	15.2	31.36	-1.67	1025.22
1.3	2.31	6.45	1001.76	8.6	16.36	0.95	1013.08	15.3	31.40	-1.67	1025.25
1.5	2.34	6.39	1001.79	8.9	18.45	0.49	1014.76	15.5	31.48	-1.68	1025.32
1.6	2.37	6.33	1001.82	9.0	19.94	0.18	1015.96	15.7	31.49	-1.68	1025.33
1.7	2.38	6.23	1001.83	9.1	21.15	-0.14	1016.94	15.8	31.52	-1.68	1025.35
1.9	2.41	5.88	1001.87	9.2	22.47	-0.40	1018.01	15.9	31.55	-1.69	1025.37
2.0	2.44	5.68	1001.90	9.4	23.36	-0.61	1018.73	16.0	31.54	-1.69	1025.37
2.1	2.46	5.95	1001.90	9.5	24.24	-0.77	1019.44	16.3	31.59	-1.69	1025.41
2.4	2.51	5.97	1001.94	9.6	24.94	-0.86	1020.01	16.4	31.60	-1.68	1025.41
2.5	2.62	5.71	1002.04	9.7	25.95	-0.99	1020.82	16.7	31.63	-1.68	1025.44
2.6	2.62	5.67	1002.04	10.0	26.46	-1.10	1021.24	16.8	31.64	-1.68	1025.45
2.7	2.78	5.14	1002.18	10.1	26.95	-1.18	1021.64	17.0	31.66	-1.68	1025.46
3.0	3.09	4.43	1002.45	10.2	27.47	-1.26	1022.06	17.1	31.67	-1.68	1025.47
3.1	3.48	3.84	1002.76	10.3	28.13	-1.33	1022.59	17.3	31.67	-1.68	1025.47
3.2	3.85	3.93	1003.06	10.6	28.29	-1.35	1022.72	17.4	31.68	-1.69	1025.48
3.3	3.79	4.43	1003.00	10.7	28.35	-1.38	1022.77	17.5	31.64	-1.69	1025.45
3.5	3.77	5.25	1002.97	10.9	28.50	-1.39	1022.89	17.6	31.68	-1.68	1025.48
3.6	4.46	5.98	1003.48	11.0	28.86	-1.40	1023.19	17.8	31.71	-1.68	1025.50
3.7	5.03	5.75	1003.94	11.1	29.12	-1.39	1023.40	17.9	31.71	-1.69	1025.50
3.9	5.09	5.54	1004.00	11.2	29.36	-1.41	1023.59	18.0	31.73	-1.69	1025.52
4.1	5.17	5.23	1004.08	11.5	29.39	-1.44	1023.62	18.1	31.72	-1.69	1025.51
4.2	5.21	5.00	1004.12	11.6	29.62	-1.46	1023.80	18.2	31.73	-1.69	1025.52
4.3	5.27	4.90	1004.17	11.7	29.86	-1.48	1024.00	18.5	31.70	-1.68	1025.50
4.4	5.34	4.88	1004.22	11.8	29.92	-1.47	1024.05	18.6	31.71	-1.69	1025.50
4.7	5.38	4.88	1004.25	12.0	29.96	-1.49	1024.08	18.7	31.72	-1.68	1025.51
4.8	5.40	4.87	1004.27	12.1	30.09	-1.51	1024.19	18.9	31.74	-1.68	1025.53
4.9	5.41	5.06	1004.27	12.2	30.21	-1.51	1024.28	19.0	31.76	-1.68	1025.54
5.1	5.46	5.09	1004.31	12.3	30.42	-1.53	1024.45	19.1	31.73	-1.68	1025.52
5.3	5.52	4.91	1004.36	12.6	30.48	-1.53	1024.50	19.2	31.76	-1.68	1025.54
5.6	5.61	4.62	1004.44	12.7	30.53	-1.55	1024.54	19.3	31.75	-1.69	1025.54
5.7	5.63	4.50	1004.46	12.9	30.56	-1.56	1024.57	19.6	31.75	-1.68	1025.54
5.9	5.68	4.38	1004.51	13.1	30.67	-1.57	1024.66	19.7	31.77	-1.69	1025.55
6.2	5.85	4.12	1004.65	13.2	30.71	-1.55	1024.69	19.9	31.78	-1.69	1025.56
6.3	6.13	3.70	1004.88	13.3	30.73	-1.56	1024.71	20.0	31.80	-1.69	1025.58
6.4	6.08	3.75	1004.84	13.4	30.73	-1.58	1024.71	20.1	31.79	-1.69	1025.57
6.5	6.17	3.57	1004.91	13.6	30.88	-1.59	1024.83	20.2	31.80	-1.69	1025.58
6.7	6.17	3.49	1004.91	13.7	30.90	-1.60	1024.84	20.4	31.78	-1.68	1025.56
6.8	6.20	3.48	1004.94	13.8	30.99	-1.59	1024.92	20.5	31.78	-1.68	1025.56
7.0	6.27	3.36	1004.99	13.9	31.05	-1.61	1024.97	20.6	31.79	-1.69	1025.57
7.3	6.32	3.29	1005.04	14.1	31.08	-1.61	1024.99	20.7	31.84	-1.69	1025.61
7.5	6.34	3.25	1005.05	14.2	31.18	-1.64	1025.07	20.8	31.84	-1.69	1025.61
7.8	6.41	3.19	1005.11	14.3	31.16	-1.64	1025.06	21.1	31.83	-1.69	1025.60
8.0	6.53	2.95	1005.21	14.6	31.23	-1.65	1025.11	21.2	31.82	-1.69	1025.59

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Table A1.56. Station 85113 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
21.3	31.88	-1.69	1025.64	27.4	32.12	-1.70	1025.84	34.1	32.22	-1.71	1025.92
21.5	31.86	-1.69	1025.63	27.5	32.14	-1.71	1025.85	34.3	32.20	-1.71	1025.90
21.6	31.88	-1.69	1025.64	27.6	32.15	-1.71	1025.86	34.4	32.23	-1.71	1025.93
21.7	31.88	-1.69	1025.64	27.9	32.14	-1.70	1025.85	34.5	32.23	-1.71	1025.93
21.8	31.88	-1.69	1025.64	28.0	32.15	-1.71	1025.86	34.6	32.23	-1.71	1025.93
21.9	31.89	-1.69	1025.65	28.1	32.16	-1.71	1025.87	34.8	32.23	-1.70	1025.93
22.1	31.90	-1.69	1025.66	28.2	32.14	-1.70	1025.85	34.9	32.23	-1.71	1025.93
22.2	31.92	-1.69	1025.67	28.3	32.15	-1.70	1025.86	35.0	32.23	-1.71	1025.93
22.3	31.93	-1.70	1025.68	28.6	32.16	-1.71	1025.87	35.1	32.23	-1.71	1025.93
22.4	31.92	-1.70	1025.67	28.7	32.14	-1.71	1025.85	35.3	32.23	-1.70	1025.93
22.6	31.93	-1.69	1025.68	28.9	32.16	-1.71	1025.87	35.4	32.24	-1.71	1025.94
22.7	31.94	-1.69	1025.69	29.0	32.15	-1.71	1025.86	35.5	32.23	-1.71	1025.93
22.8	31.96	-1.70	1025.71	29.1	32.15	-1.70	1025.86	35.6	32.23	-1.71	1025.93
23.1	31.96	-1.70	1025.71	29.2	32.15	-1.71	1025.86	35.8	32.24	-1.71	1025.94
23.2	31.96	-1.70	1025.71	29.5	32.16	-1.71	1025.87	35.9	32.23	-1.70	1025.93
23.3	31.95	-1.69	1025.70	29.6	32.15	-1.71	1025.86	36.1	32.25	-1.71	1025.94
23.4	31.96	-1.69	1025.71	29.7	32.15	-1.71	1025.86	36.2	32.25	-1.71	1025.94
23.6	31.95	-1.69	1025.70	30.0	32.16	-1.71	1025.87	36.4	32.25	-1.70	1025.94
23.7	31.98	-1.69	1025.72	30.1	32.16	-1.71	1025.87	36.5	32.23	-1.71	1025.93
23.8	31.97	-1.70	1025.72	30.2	32.18	-1.71	1025.89	36.6	32.24	-1.71	1025.94
23.9	31.98	-1.70	1025.72	30.3	32.18	-1.71	1025.89	36.7	32.23	-1.71	1025.93
24.0	31.97	-1.70	1025.72	30.5	32.17	-1.70	1025.88	37.0	32.25	-1.71	1025.94
24.2	31.99	-1.70	1025.73	30.6	32.18	-1.71	1025.89	37.1	32.24	-1.71	1025.94
24.3	32.00	-1.70	1025.74	30.8	32.18	-1.71	1025.89	37.2	32.24	-1.71	1025.94
24.4	32.01	-1.70	1025.75	30.9	32.18	-1.71	1025.89	37.3	32.24	-1.70	1025.93
24.5	32.03	-1.70	1025.76	31.1	32.18	-1.71	1025.89	37.5	32.25	-1.70	1025.94
24.7	32.03	-1.70	1025.76	31.3	32.19	-1.71	1025.89	37.6	32.25	-1.70	1025.94
24.8	32.03	-1.70	1025.76	31.4	32.18	-1.70	1025.89	37.8	32.25	-1.71	1025.94
24.9	32.05	-1.70	1025.78	31.7	32.18	-1.70	1025.89	38.0	32.26	-1.70	1025.95
25.0	32.05	-1.71	1025.78	31.9	32.19	-1.70	1025.89	38.1	32.25	-1.70	1025.94
25.3	32.04	-1.71	1025.77	32.1	32.19	-1.71	1025.89	38.4	32.25	-1.70	1025.94
25.4	32.04	-1.71	1025.77	32.2	32.19	-1.71	1025.89	38.5	32.25	-1.70	1025.94
25.5	32.04	-1.70	1025.77	32.4	32.19	-1.71	1025.89	38.6	32.24	-1.70	1025.93
25.6	32.07	-1.70	1025.80	32.6	32.19	-1.71	1025.89	38.7	32.26	-1.71	1025.95
25.8	32.08	-1.71	1025.81	32.7	32.20	-1.71	1025.90	38.8	32.26	-1.70	1025.95
25.9	32.09	-1.70	1025.81	32.8	32.20	-1.71	1025.90	39.1	32.26	-1.70	1025.95
26.1	32.09	-1.71	1025.81	32.9	32.21	-1.71	1025.91	39.2	32.26	-1.70	1025.95
26.3	32.09	-1.70	1025.81	33.0	32.21	-1.71	1025.91	39.3	32.26	-1.70	1025.95
26.4	32.11	-1.71	1025.83	33.2	32.21	-1.71	1025.91	39.5	32.25	-1.70	1025.94
26.5	32.10	-1.70	1025.82	33.3	32.21	-1.71	1025.91	39.6	32.26	-1.70	1025.95
26.6	32.11	-1.71	1025.83	33.4	32.19	-1.71	1025.89	39.7	32.25	-1.71	1025.94
26.8	32.11	-1.71	1025.83	33.5	32.20	-1.71	1025.90	39.8	32.26	-1.71	1025.95
26.9	32.12	-1.71	1025.84	33.7	32.21	-1.71	1025.91	40.1	32.26	-1.70	1025.95
27.0	32.12	-1.71	1025.84	33.8	32.21	-1.71	1025.91	40.3	32.26	-1.70	1025.95
27.1	32.13	-1.71	1025.85	33.9	32.21	-1.71	1025.91	40.4	32.25	-1.70	1025.94
27.2	32.13	-1.71	1025.85	34.0	32.21	-1.70	1025.91	40.6	32.27	-1.70	1025.96

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Table A1.56. Station 85113 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
40.8	32.27	-1.70	1025.96	46.4	32.29	-1.70	1025.98	51.4	32.29	-1.70	1025.98
40.9	32.27	-1.70	1025.96	46.5	32.29	-1.70	1025.98	51.5	32.29	-1.70	1025.98
41.1	32.27	-1.71	1025.96	46.6	32.29	-1.70	1025.98	51.7	32.29	-1.70	1025.98
41.2	32.27	-1.70	1025.96	46.7	32.29	-1.70	1025.98	51.8	32.28	-1.70	1025.97
41.3	32.27	-1.70	1025.96	47.0	32.28	-1.70	1025.97	51.9	32.29	-1.70	1025.98
41.4	32.27	-1.70	1025.96	47.1	32.29	-1.70	1025.98	52.0	32.29	-1.70	1025.98
41.6	32.25	-1.70	1025.94	47.4	32.28	-1.70	1025.97	52.1	32.29	-1.70	1025.98
41.8	32.27	-1.71	1025.96	47.5	32.28	-1.70	1025.97	52.4	32.29	-1.70	1025.98
41.9	32.26	-1.70	1025.95	47.6	32.28	-1.70	1025.97	52.5	32.27	-1.69	1025.96
42.0	32.27	-1.70	1025.96	47.7	32.29	-1.70	1025.98	52.6	32.28	-1.70	1025.97
42.3	32.27	-1.70	1025.96	47.8	32.28	-1.70	1025.97	52.8	32.29	-1.70	1025.98
42.4	32.28	-1.70	1025.97	48.0	32.28	-1.70	1025.97	52.9	32.28	-1.70	1025.97
42.5	32.26	-1.71	1025.95	48.1	32.28	-1.70	1025.97	53.0	32.30	-1.70	1025.98
42.7	32.27	-1.70	1025.96	48.2	32.28	-1.70	1025.97	53.1	32.29	-1.70	1025.98
42.8	32.27	-1.70	1025.96	48.3	32.27	-1.70	1025.96	53.3	32.29	-1.70	1025.98
43.0	32.27	-1.70	1025.96	48.5	32.28	-1.70	1025.97	53.4	32.27	-1.69	1025.96
43.1	32.26	-1.70	1025.95	48.6	32.27	-1.69	1025.96	53.5	32.29	-1.70	1025.98
43.4	32.27	-1.70	1025.96	48.7	32.28	-1.70	1025.97	53.6	32.29	-1.70	1025.98
43.5	32.26	-1.70	1025.95	48.8	32.27	-1.70	1025.96	53.9	32.28	-1.69	1025.97
43.6	32.27	-1.70	1025.96	48.9	32.30	-1.70	1025.98	54.0	32.28	-1.70	1025.97
43.8	32.28	-1.70	1025.97	49.1	32.27	-1.70	1025.96	54.1	32.28	-1.70	1025.97
43.9	32.26	-1.70	1025.95	49.2	32.29	-1.70	1025.98	54.3	32.28	-1.70	1025.97
44.0	32.27	-1.70	1025.96	49.3	32.28	-1.70	1025.97	54.4	32.29	-1.69	1025.98
44.1	32.27	-1.70	1025.96	49.6	32.29	-1.70	1025.98	54.6	32.30	-1.70	1025.98
44.3	32.27	-1.70	1025.96	49.7	32.28	-1.70	1025.97	54.7	32.28	-1.70	1025.97
44.4	32.27	-1.70	1025.96	49.8	32.29	-1.70	1025.98	54.9	32.28	-1.70	1025.97
44.5	32.27	-1.70	1025.96	49.9	32.27	-1.70	1025.96	55.0	32.29	-1.70	1025.98
44.6	32.27	-1.70	1025.96	50.1	32.29	-1.70	1025.98	55.2	32.29	-1.70	1025.98
44.8	32.27	-1.70	1025.96	50.2	32.28	-1.70	1025.97	55.4	32.28	-1.70	1025.97
44.9	32.27	-1.70	1025.96	50.3	32.29	-1.70	1025.98	55.5	32.30	-1.70	1025.98
45.1	32.27	-1.70	1025.96	50.4	32.29	-1.70	1025.98	55.6	32.29	-1.69	1025.98
45.2	32.28	-1.70	1025.97	50.6	32.28	-1.70	1025.97	55.7	32.29	-1.70	1025.98
45.4	32.26	-1.70	1025.95	50.7	32.29	-1.70	1025.98	55.8	32.28	-1.70	1025.97
45.5	32.28	-1.70	1025.97	50.8	32.29	-1.70	1025.98	56.0	32.30	-1.70	1025.98
45.6	32.28	-1.70	1025.97	50.9	32.28	-1.70	1025.97	56.1	32.28	-1.69	1025.97
45.7	32.28	-1.70	1025.97	51.0	32.28	-1.70	1025.97	56.2	32.28	-1.70	1025.97
46.0	32.28	-1.70	1025.97	51.2	32.29	-1.70	1025.98	56.4	32.28	-1.70	1025.97
46.2	32.27	-1.70	1025.96	51.3	32.28	-1.70	1025.97	56.5	32.29	-1.69	1025.98

Station: 85114 Date: Jul 26

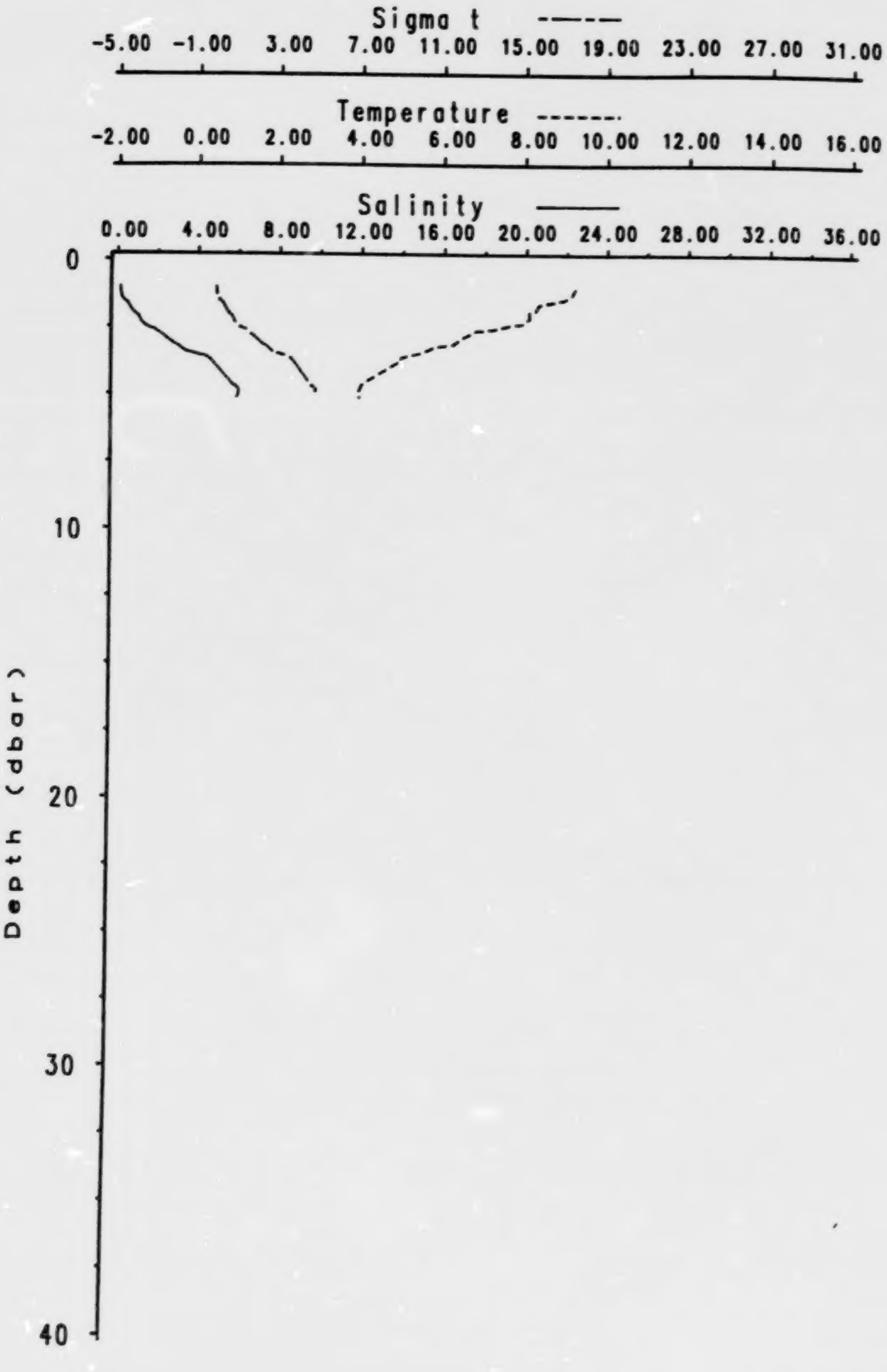

Table A1.57. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85114, July 26, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	0.21	9.24	999.93	2.2	1.11	8.12	1000.72	3.6	3.99	5.26	1003.14
1.2	0.23	9.20	999.95	2.4	1.24	7.95	1000.84	3.7	4.49	4.99	1003.55
1.3	0.24	9.17	999.96	2.5	1.38	7.55	1000.97	3.8	4.66	4.99	1003.68
1.5	0.29	8.97	1000.01	2.6	1.55	7.34	1001.12	4.7	5.72	4.04	1004.55
1.6	0.39	8.65	1000.12	2.7	1.90	6.80	1001.42	4.8	5.92	4.00	1004.71
1.7	0.55	8.35	1000.26	3.0	2.46	6.42	1001.88	4.9	6.06	3.98	1004.82
1.9	0.72	8.27	1000.40	3.2	2.81	6.26	1002.17	5.1	6.04	3.95	1004.80
2.0	0.81	8.10	1000.49	3.3	3.09	5.79	1002.41	5.2	5.97	3.98	1004.75
2.1	0.93	8.11	1000.58	3.5	3.42	5.53	1002.68				

Station: 85115 Date: Jul 26

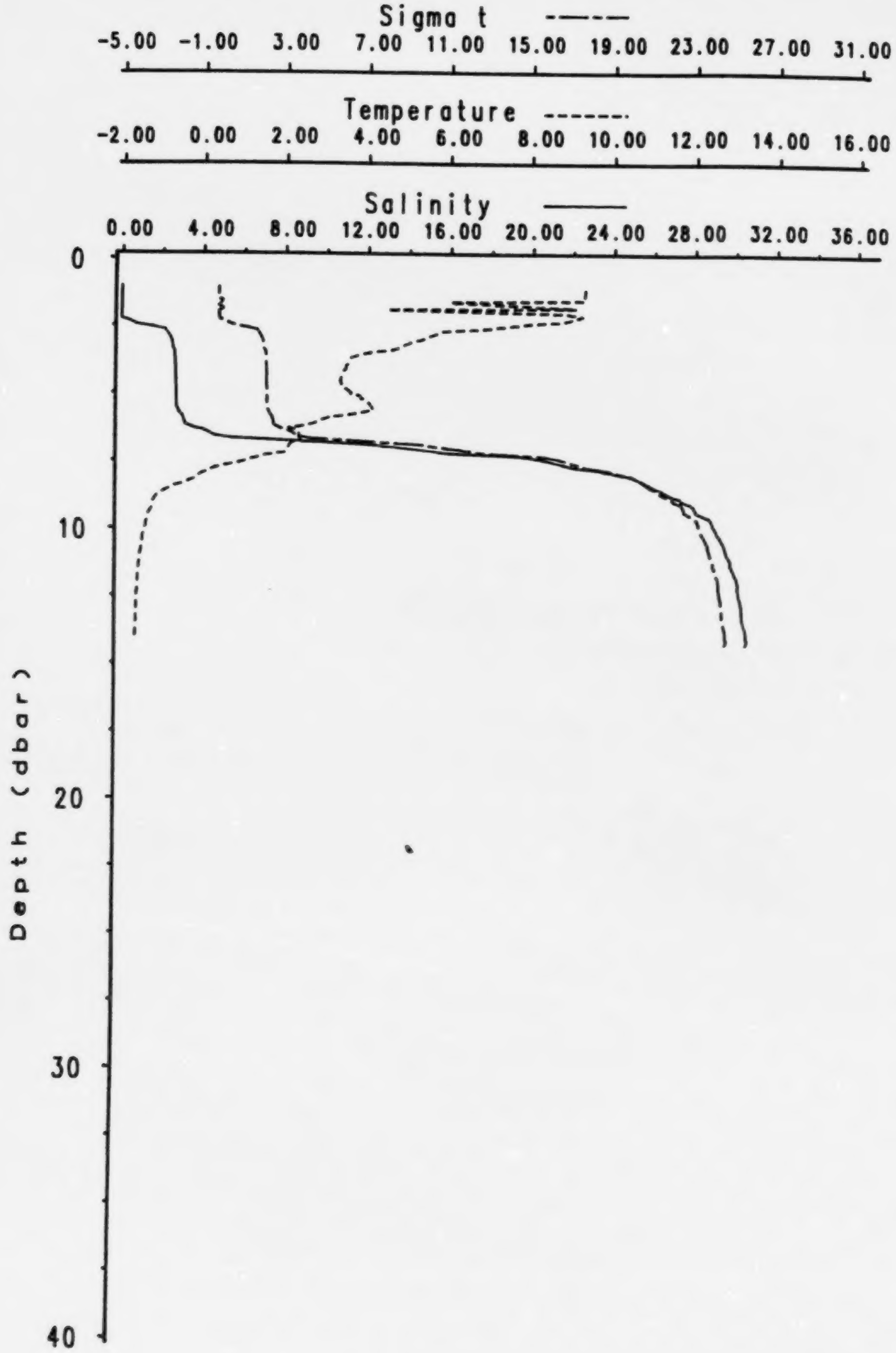

Table A1.58. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85115, July 26, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.2	0.06	9.32	999.81	5.9	2.96	3.62	1002.35	10.1	29.22	-1.35	1023.48
1.5	0.05	9.30	999.80	6.0	3.09	3.10	1002.45	10.2	29.25	-1.37	1023.50
1.6	0.05	9.30	999.80	6.2	3.17	2.78	1002.52	10.3	29.36	-1.39	1023.59
1.7	0.07	6.04	1000.00	6.3	3.22	2.58	1002.55	10.5	29.51	-1.42	1023.71
1.9	0.06	9.11	999.82	6.4	3.55	2.12	1002.81	10.6	29.60	-1.42	1023.79
2.0	0.07	4.51	1000.03	6.5	4.11	2.37	1003.27	10.7	29.63	-1.43	1023.81
2.1	0.05	8.88	999.83	6.7	4.60	2.38	1003.66	10.9	29.71	-1.45	1023.88
2.2	0.06	9.27	999.81	6.8	5.52	2.41	1004.40	11.0	29.76	-1.46	1023.92
2.4	0.07	8.82	999.85	6.9	8.92	2.26	1007.12	11.1	29.85	-1.47	1023.99
2.5	0.47	7.97	1000.23	7.0	12.09	2.16	1009.65	11.2	29.93	-1.48	1024.06
2.6	0.75	7.40	1000.48	7.3	15.94	2.05	1012.73	11.4	29.95	-1.49	1024.07
2.7	1.60	6.86	1001.18	7.4	19.64	1.58	1015.70	11.5	30.02	-1.51	1024.13
2.8	2.19	5.83	1001.69	7.5	20.60	1.36	1016.47	11.7	30.12	-1.51	1024.21
3.1	2.47	5.36	1001.93	7.7	21.74	0.92	1017.40	11.8	30.21	-1.52	1024.28
3.2	2.52	5.11	1001.98	7.8	22.32	0.61	1017.87	12.0	30.29	-1.53	1024.35
3.5	2.59	4.65	1002.04	7.9	23.53	0.34	1018.85	12.1	30.32	-1.53	1024.37
3.6	2.67	4.08	1002.12	8.0	24.25	0.20	1019.43	12.2	30.28	-1.53	1024.34
3.7	2.68	3.82	1002.13	8.1	25.00	0.02	1020.04	12.5	30.36	-1.54	1024.41
3.8	2.70	3.63	1002.14	8.3	25.61	-0.14	1020.54	12.6	30.40	-1.55	1024.44
3.9	2.70	3.63	1002.14	8.4	25.86	-0.30	1020.74	12.7	30.44	-1.55	1024.47
4.1	2.71	3.51	1002.15	8.5	26.08	-0.44	1020.92	12.8	30.46	-1.55	1024.49
4.2	2.73	3.50	1002.17	8.6	26.50	-0.70	1021.26	12.9	30.50	-1.55	1024.52
4.3	2.73	3.45	1002.17	8.8	26.93	-0.92	1021.62	13.1	30.52	-1.56	1024.54
4.6	2.74	3.38	1002.17	8.9	27.41	-1.07	1022.01	13.2	30.53	-1.56	1024.54
4.7	2.75	3.38	1002.18	9.0	27.52	-1.10	1022.10	13.4	30.55	-1.56	1024.56
4.8	2.76	3.42	1002.19	9.1	27.93	-1.15	1022.43	13.6	30.61	-1.56	1024.61
4.9	2.77	3.49	1002.20	9.2	28.09	-1.18	1022.56	13.7	30.67	-1.56	1024.66
5.1	2.77	3.64	1002.20	9.4	28.22	-1.20	1022.66	13.8	30.70	-1.56	1024.68
5.2	2.77	3.86	1002.20	9.5	28.50	-1.23	1022.89	13.9	30.73	-1.57	1024.71
5.3	2.79	3.89	1002.21	9.6	28.82	-1.27	1023.15	14.1	30.75	-1.57	1024.72
5.4	2.79	4.05	1002.21	9.7	28.96	-1.30	1023.27	14.2	30.78	-1.58	1024.75
5.7	2.82	4.19	1002.23	9.9	29.06	-1.32	1023.35	14.3	30.70	-1.58	1024.68
5.8	2.88	3.95	1002.28	10.0	29.14	-1.34	1023.41				

Station: 85116 Date: Jul 26

Table A1.59. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85116, July 26, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	0.41	9.28	1000.09	7.8	4.47	1.40	1003.54	15.9	31.07	-1.65	1024.98
1.2	0.41	9.28	1000.09	7.9	4.68	1.51	1003.71	16.0	31.17	-1.66	1025.06
1.3	0.40	9.29	1000.08	8.0	4.91	1.60	1003.90	16.3	31.19	-1.66	1025.08
1.5	0.41	9.27	1000.09	8.1	5.24	1.68	1004.16	16.4	31.18	-1.66	1025.07
1.6	0.41	9.25	1000.09	8.3	6.47	1.64	1005.15	16.5	31.20	-1.66	1025.09
1.7	0.41	9.25	1000.09	8.4	10.01	1.28	1007.99	16.7	31.19	-1.67	1025.08
1.9	0.40	9.25	1000.08	8.5	11.93	0.97	1009.53	16.8	31.16	-1.67	1025.06
2.0	0.41	9.25	1000.09	8.6	13.60	0.75	1010.87	16.9	31.07	-1.67	1024.98
2.1	0.40	9.25	1000.08	8.8	16.58	0.53	1013.26	17.0	31.21	-1.67	1025.10
2.4	0.43	8.72	1000.14	9.0	19.68	0.12	1015.76	17.1	31.25	-1.67	1025.13
2.5	1.01	6.47	1000.73	9.2	22.46	0.05	1017.99	17.4	31.29	-1.68	1025.16
2.6	1.33	5.83	1001.01	9.4	22.54	0.07	1018.06	17.6	31.30	-1.68	1025.17
2.7	1.38	5.53	1001.06	9.5	23.80	-0.22	1019.08	17.8	31.30	-1.68	1025.17
2.8	1.50	5.18	1001.16	9.7	25.41	-0.56	1020.38	17.9	31.27	-1.68	1025.15
3.0	1.68	4.42	1001.32	9.9	26.41	-0.72	1021.19	18.0	31.28	-1.68	1025.15
3.1	2.02	2.97	1001.60	10.7	29.27	-1.34	1023.52	18.1	31.34	-1.68	1025.20
3.2	2.29	2.36	1001.80	10.9	29.40	-1.37	1023.62	18.2	31.37	-1.69	1025.23
3.3	2.44	2.23	1001.92	11.0	29.55	-1.39	1023.75	18.6	31.39	-1.68	1025.24
3.5	2.60	1.89	1002.04	11.1	29.56	-1.41	1023.75	18.9	31.40	-1.69	1025.25
3.6	2.62	1.95	1002.06	11.2	29.60	-1.44	1023.79	19.1	31.40	-1.69	1025.25
3.7	2.79	1.81	1002.19	11.4	29.73	-1.46	1023.89	19.2	31.43	-1.69	1025.28
3.8	2.96	1.72	1002.33	11.5	29.61	-1.48	1023.80	19.3	31.44	-1.69	1025.28
4.1	3.08	1.60	1002.42	11.7	30.12	-1.51	1024.21	19.5	31.46	-1.69	1025.30
4.2	3.18	1.45	1002.50	11.8	30.26	-1.53	1024.32	19.6	31.49	-1.70	1025.33
4.4	3.28	1.36	1002.58	12.1	30.30	-1.54	1024.36	19.7	31.48	-1.70	1025.32
4.6	3.34	1.26	1002.62	12.2	30.27	-1.54	1024.33	19.9	31.49	-1.70	1025.33
4.7	3.33	1.27	1002.61	12.3	30.27	-1.55	1024.33	20.1	31.50	-1.70	1025.33
4.8	3.39	1.56	1002.67	12.6	30.44	-1.56	1024.47	20.4	31.49	-1.70	1025.33
5.1	3.54	1.51	1002.79	12.7	30.56	-1.57	1024.57	21.2	31.56	-1.70	1025.38
5.3	3.70	1.17	1002.91	12.8	30.56	-1.57	1024.57	21.3	31.54	-1.70	1025.37
5.4	3.79	1.00	1002.98	12.9	30.59	-1.58	1024.59	21.5	31.56	-1.70	1025.38
5.6	3.81	0.94	1002.99	13.1	30.64	-1.58	1024.63	21.6	31.57	-1.70	1025.39
5.7	3.83	0.90	1003.01	13.2	30.65	-1.59	1024.64	21.8	31.58	-1.69	1025.40
5.8	3.88	0.86	1003.04	13.3	30.67	-1.59	1024.66	21.9	31.60	-1.70	1025.41
5.9	3.90	0.84	1003.06	13.4	30.68	-1.60	1024.67	22.1	31.60	-1.70	1025.41
6.0	3.91	0.82	1003.07	13.6	30.63	-1.60	1024.63	22.2	31.62	-1.70	1025.43
6.3	3.94	0.81	1003.09	13.7	30.77	-1.61	1024.74	22.3	31.60	-1.70	1025.41
6.5	3.96	0.80	1003.11	13.8	30.80	-1.61	1024.76	22.4	31.61	-1.70	1025.42
6.8	3.99	0.75	1003.13	13.9	30.85	-1.61	1024.80	22.6	31.62	-1.70	1025.43
6.9	3.99	0.73	1003.13	14.2	30.88	-1.62	1024.83	22.7	31.63	-1.70	1025.44
7.0	4.02	0.79	1003.15	14.3	30.89	-1.62	1024.84	22.8	31.64	-1.70	1025.45
7.1	4.03	0.82	1003.16	14.4	30.89	-1.62	1024.84	23.1	31.64	-1.70	1025.45
7.3	4.08	0.85	1003.21	14.6	30.87	-1.63	1024.82	23.2	31.66	-1.71	1025.46
7.4	4.12	0.90	1003.24	14.7	30.84	-1.63	1024.80	23.3	31.64	-1.70	1025.45
7.5	4.18	1.09	1003.29	15.7	30.94	-1.65	1024.88	23.4	31.66	-1.71	1025.46
7.7	4.26	1.26	1003.36	15.8	30.89	-1.65	1024.84	23.6	31.66	-1.70	1025.46

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Table A1.59. Station 85116 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
23.7	31.67	-1.70	1025.47	26.5	31.78	-1.70	1025.56	27.5	31.77	-1.70	1025.55
24.7	32.10	-1.70	1025.82	26.6	31.77	-1.70	1025.55	27.6	31.77	-1.70	1025.55
25.5	31.77	-1.70	1025.55	26.8	31.76	-1.70	1025.54	27.7	31.78	-1.70	1025.56
25.6	31.77	-1.70	1025.55	26.9	31.77	-1.71	1025.55	27.9	31.77	-1.70	1025.55
25.8	31.77	-1.70	1025.55	27.0	31.77	-1.70	1025.55	28.0	31.78	-1.71	1025.56
25.9	31.77	-1.71	1025.55	27.1	31.77	-1.70	1025.55	28.2	31.76	-1.70	1025.54
26.1	31.78	-1.71	1025.56	27.2	31.78	-1.71	1025.56	28.3	31.79	-1.71	1025.57
26.3	31.78	-1.71	1025.56	27.4	31.78	-1.71	1025.56				

Station: 85117 Date: Jul 26

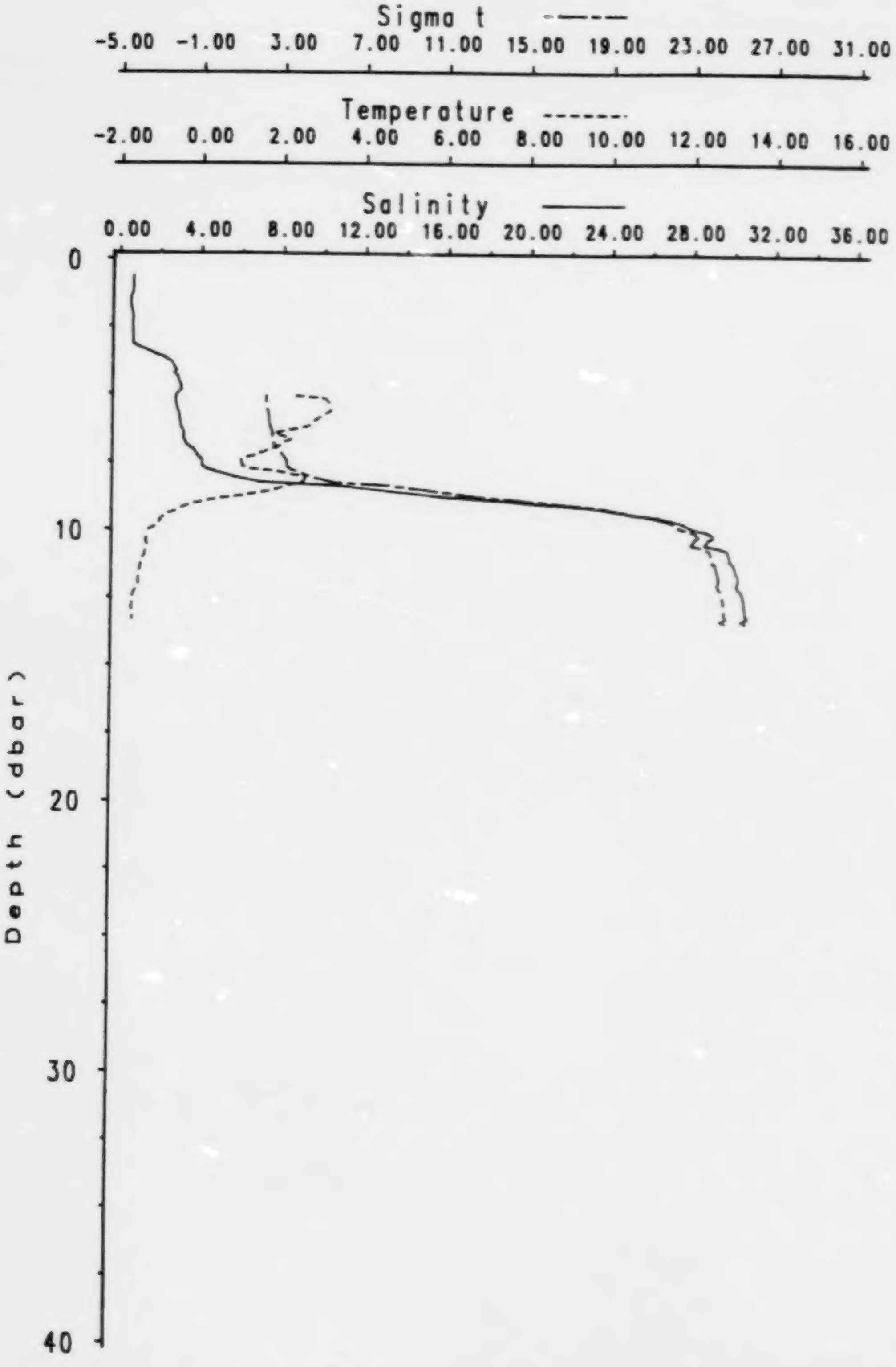

Table A1.60. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85117, July 26, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.7	0.76			5.4	2.91	3.20	1002.31	9.5	26.41	-0.78	1021.19
0.9	0.77			5.6	2.97	3.24	1002.36	9.7	27.59	-0.90	1022.15
1.0	0.76			5.7	3.02	3.19	1002.40	9.9	28.06	-0.96	1022.53
1.1	0.76			5.8	3.06	3.06	1002.43	10.0	28.77	-1.09	1023.11
1.3	0.76			5.9	3.09	2.94	1002.45	10.1	29.01	-1.19	1023.30
1.5	0.64			6.2	3.15	2.69	1002.50	10.2	29.15	-1.22	1023.42
1.7	0.65			6.3	3.19	2.50	1002.53	10.3	28.90	-1.24	1023.22
1.9	0.68			6.4	3.27	2.09	1002.59	10.5	28.72	-1.25	1023.07
2.1	0.76			6.5	3.32	1.86	1002.62	10.6	29.44	1.22	1023.65
2.2	0.77			6.7	3.29	2.28	1002.61	10.7	29.81	-1.24	1023.95
2.4	0.74			6.8	3.38	2.13	1002.68	11.0	29.95	-1.28	1024.07
2.6	0.77			6.9	3.42	2.04	1002.71	11.1	29.96	-1.32	1024.08
2.7	0.78			7.0	3.56	1.92	1002.82	11.2	30.12	-1.36	1024.21
3.0	0.80			7.1	3.78	1.72	1002.99	11.5	30.27	-1.39	1024.33
3.1	0.80			7.3	3.95	1.41	1003.12	11.6	30.33	-1.41	1024.38
3.2	0.80			7.4	4.07	1.16	1003.21	11.7	30.38	-1.42	1024.42
3.3	0.99			7.5	4.22	1.05	1003.33	11.8	30.37	-1.43	1024.41
3.6	1.91			7.7	4.22	1.08	1003.33	12.0	30.30	-1.43	1024.35
3.7	2.33			7.8	4.41	1.28	1003.49	12.1	30.35	-1.43	1024.40
3.8	2.49			7.9	4.80	1.97	1003.82	12.2	30.50	-1.46	1024.52
3.9	2.70			8.1	5.74	2.62	1004.57	12.3	30.57	-1.50	1024.57
4.1	2.83			8.3	7.07	2.57	1005.64	12.5	30.64	-1.56	1024.63
4.2	2.94			8.4	10.55	2.21	1008.42	12.7	30.68	-1.57	1024.67
4.3	2.81			8.6	13.22	1.80	1010.56	12.8	30.70	-1.58	1024.68
4.4	2.97			8.8	15.88	1.09	1012.70	13.1	30.75	-1.58	1024.72
4.6	3.06			8.9	18.24	0.55	1014.59	13.2	30.84	-1.58	1024.80
4.7	3.15			9.0	20.02	0.22	1016.03	13.3	30.54	-1.57	1024.55
4.9	3.18			9.1	22.15	-0.11	1017.75	13.4	30.73	-1.57	1024.71
5.1	2.92	2.38	1002.31	9.2	23.60	-0.30	1018.92				
5.2	2.90	3.09	1002.30	9.4	25.25	-0.58	1020.25				

Table A1.61. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85118, August 3, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	2.32	2.00	1001.82								

Table A1.62. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85119, August 3, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	2.33	4.00	1001.84								

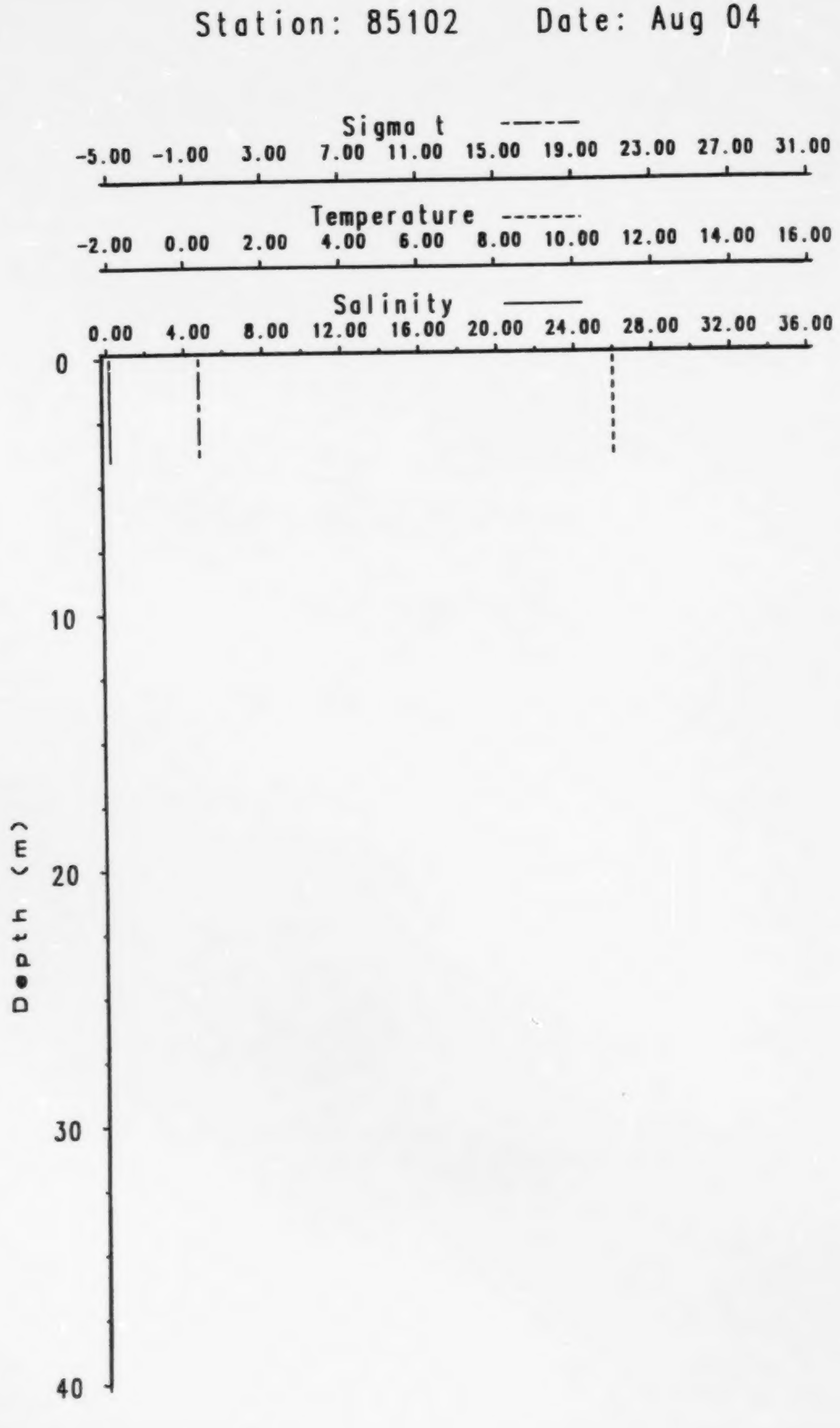
Station: 85102 Date: Aug 04
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (m)
0
10
20
30
40

Table A1.63. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85102, August 4, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	0.16	11.00	999.73	4.0	0.20	11.00	999.76				

Station: 85120 Date: Aug 05

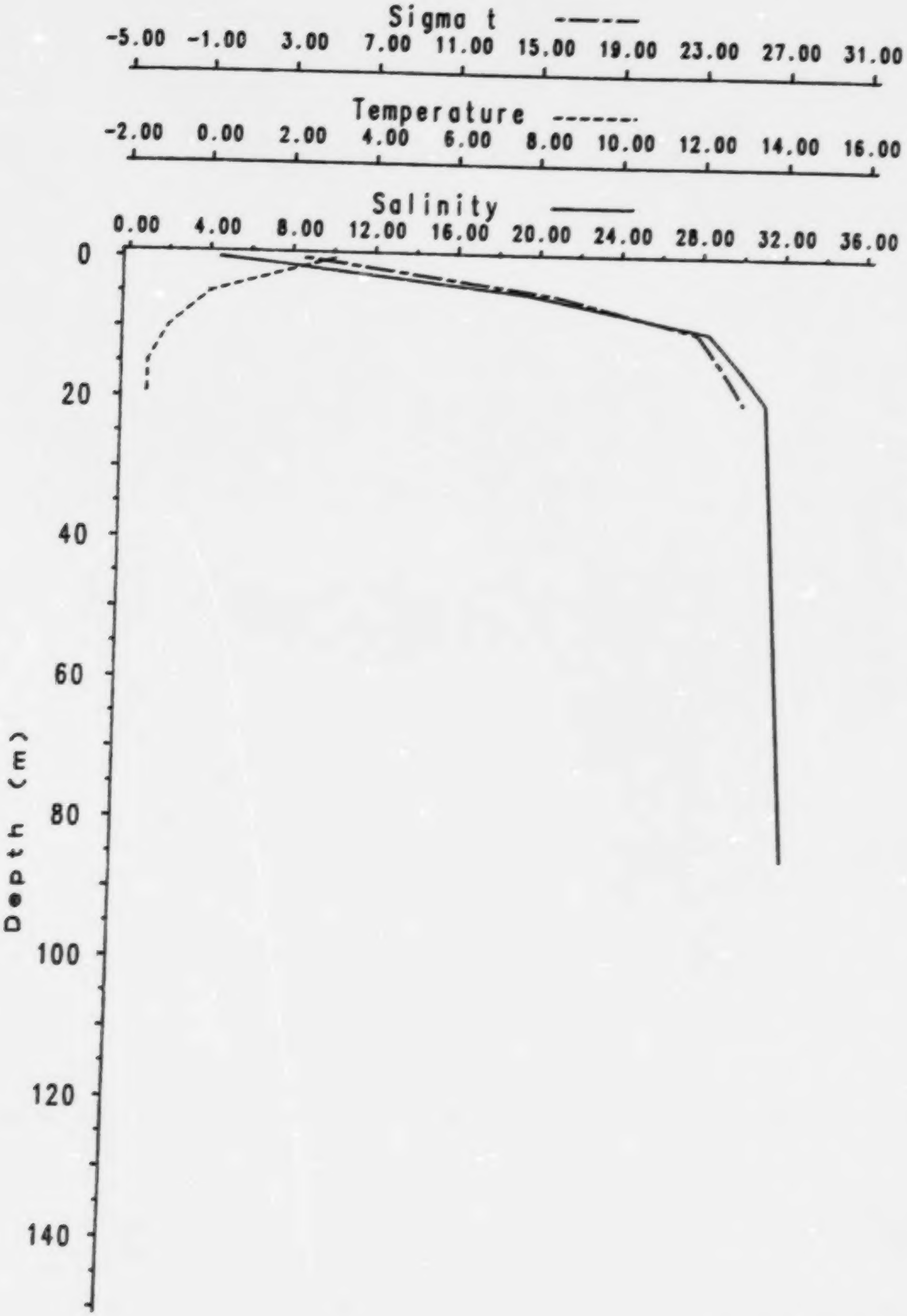

Table A1.64. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85120, August 5, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	4.49	3.00	1003.58	10.0	28.31	-1.00	1022.73	20.0	31.16	-1.50	1025.05
5.0	19.70	0.00	1015.77	15.0	29.84	-1.50	1023.98	85.0	32.39		

Station: 85121 Date: Aug 05

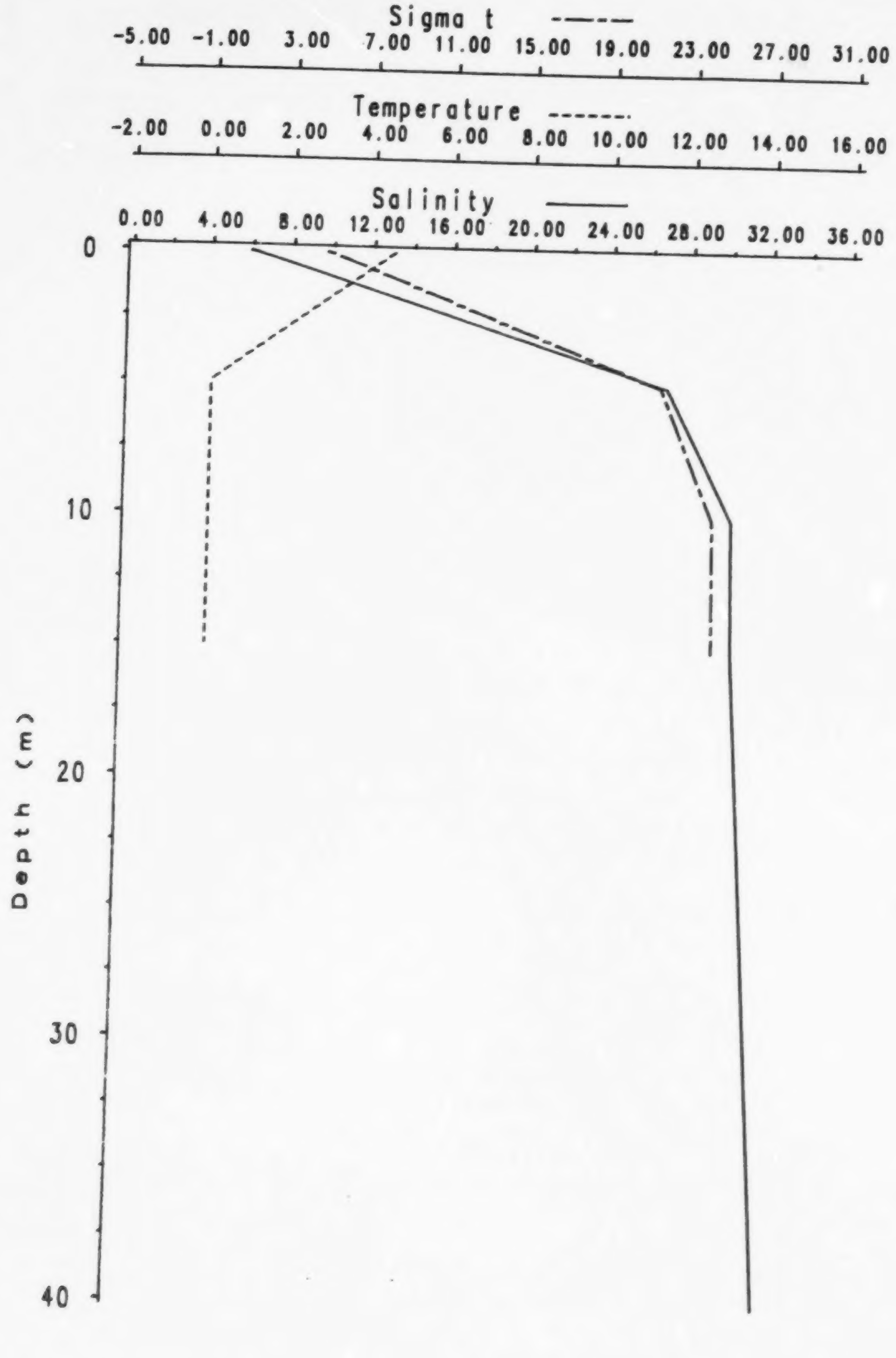

Table A1.65. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85121, August 5, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	5.88	4.50	1004.66	10.0	30.14	0.00	1024.18	40.0	32.23		
5.0	26.79	0.00	1021.48	15.0	30.28	0.00	1024.30				

Station: 85122 Date: Aug 05

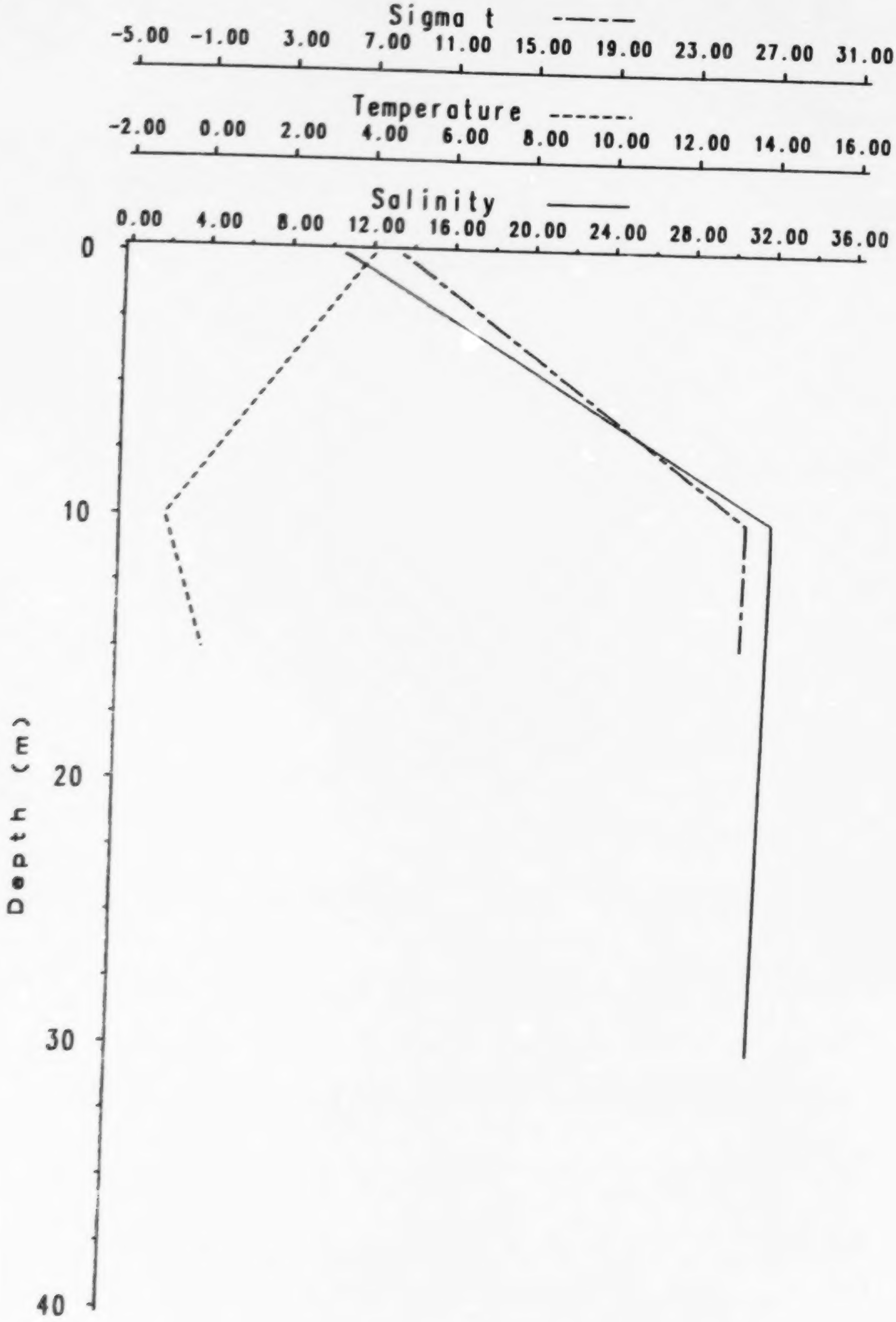

Table A1.66. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85122, August 5, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	10.61	4.00	1008.43	15.0	31.86	0.00	1025.57				
10.0	32.02	-1.00	1025.74	30.0	31.45						

Table A1.67. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85123, August 6, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	6.39	5.00	1005.05								

Table A1.68. Salinity, temperature (C) and density (kg.m**-3) data by depth (m) for station 85124, August 6, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.0	4.02	6.00	1003.14								

Station: 85125 Date: Aug 09

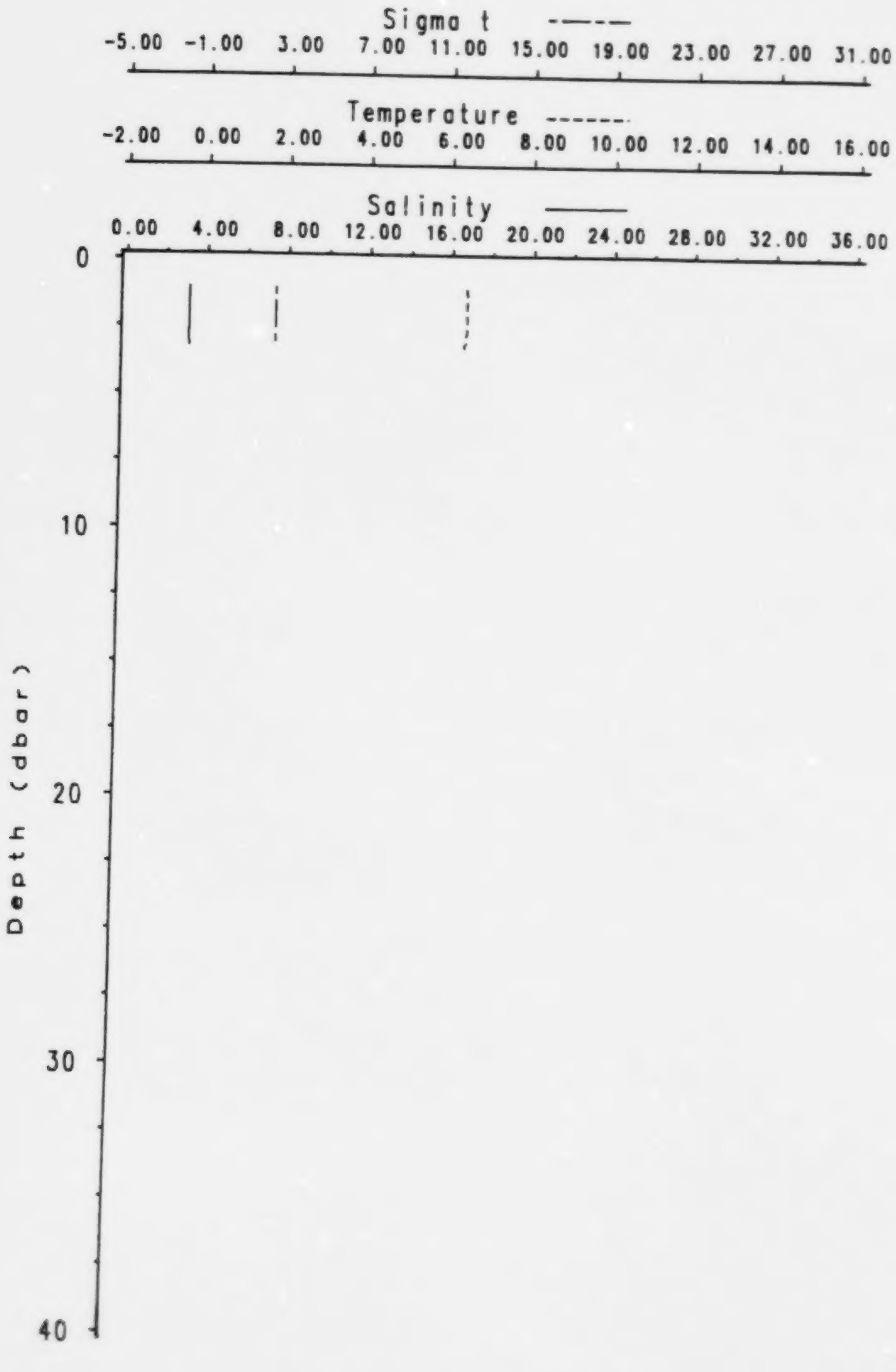

Table A1.69. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85125, August 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.1	3.23	6.44	1002.49	1.9	3.22	6.44	1002.48	2.7	3.21	6.45	1002.47
1.2	3.23	6.44	1002.49	2.0	3.23	6.44	1002.49	2.8	3.21	6.43	1002.48
1.3	3.23	6.45	1002.49	2.2	3.23	6.45	1002.49	3.0	3.22	6.40	1002.48
1.5	3.24	6.44	1002.50	2.4	3.22	6.44	1002.48	3.1	3.23	6.43	1002.49
1.6	3.23	6.45	1002.49	2.5	3.24	6.42	1002.50	3.2	3.25	6.38	1002.51
1.7	3.23	6.44	1002.49	2.6	3.22	6.45	1002.48	3.3	3.24	6.38	1002.50

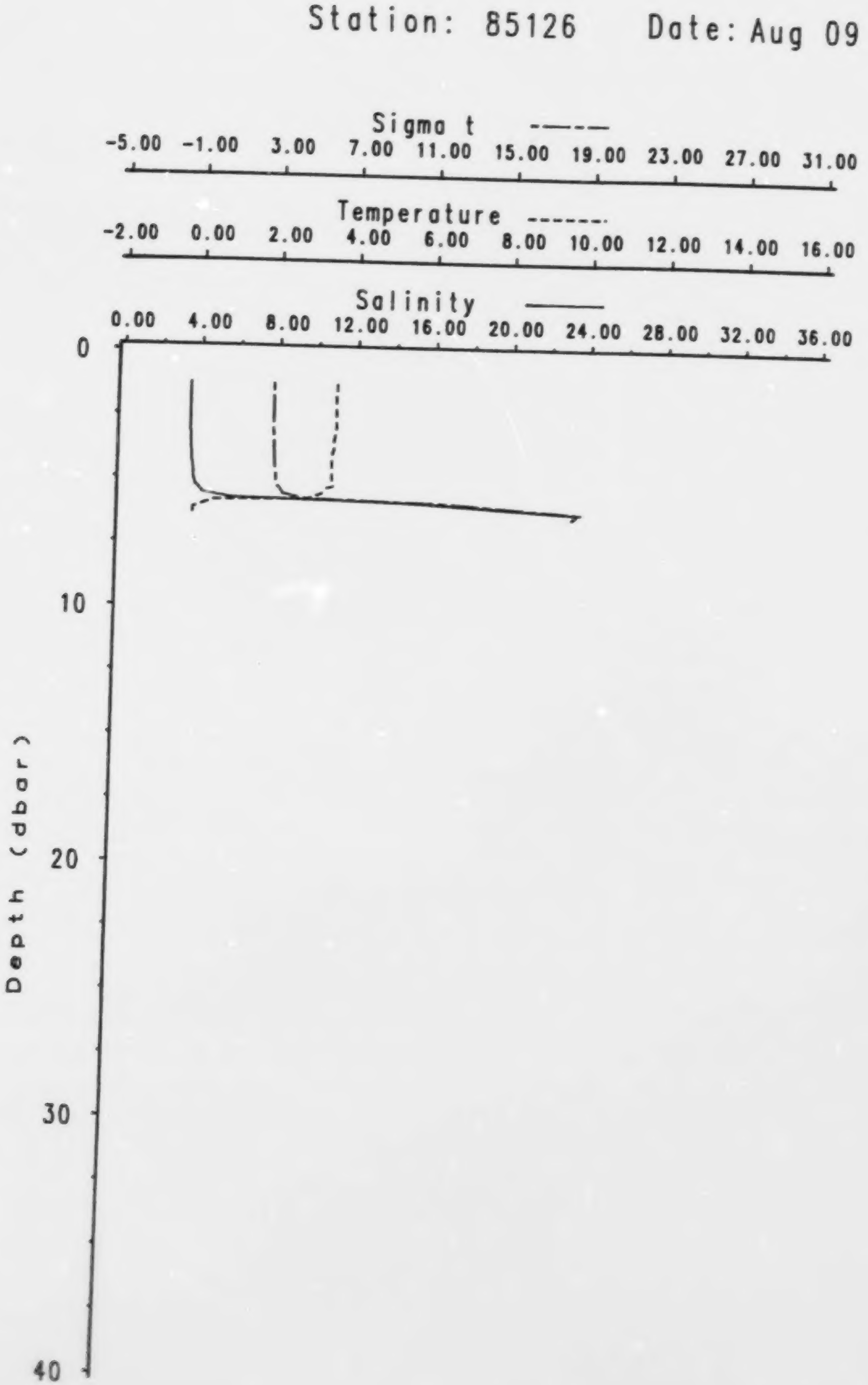
Station: 85126 Date: Aug 09
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.70. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85126, August 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.3	3.49	3.50	1002.77	2.8	3.49	3.50	1002.77	4.6	3.67	3.40	1002.92
1.6	3.49	3.50	1002.77	3.0	3.49	3.50	1002.77	4.8	3.71	3.41	1002.95
1.7	3.50	3.49	1002.78	3.2	3.50	3.49	1002.78	5.1	3.74	3.42	1002.97
1.9	3.50	3.48	1002.78	3.3	3.53	3.47	1002.81	5.3	3.82	3.46	1003.04
2.0	3.50	3.48	1002.78	3.6	3.56	3.44	1002.83	5.4	3.97	3.25	1003.16
2.1	3.50	3.49	1002.78	3.7	3.57	3.45	1002.84	5.6	4.18	3.15	1003.33
2.2	3.50	3.49	1002.78	3.8	3.56	3.46	1002.83	5.8	5.58	2.82	1004.45
2.4	3.49	3.49	1002.77	3.9	3.57	3.44	1002.84	5.9	14.78	0.39	1011.81
2.5	3.50	3.49	1002.78	4.1	3.61	3.40	1002.87	6.2	23.31	-0.14	1018.68
2.6	3.49	3.49	1002.77	4.2	3.60	3.40	1002.86	6.3	23.43	-0.14	1018.78
2.7	3.50	3.49	1002.78	4.4	3.63	3.40	1002.89	6.4	23.25	-0.15	1018.63

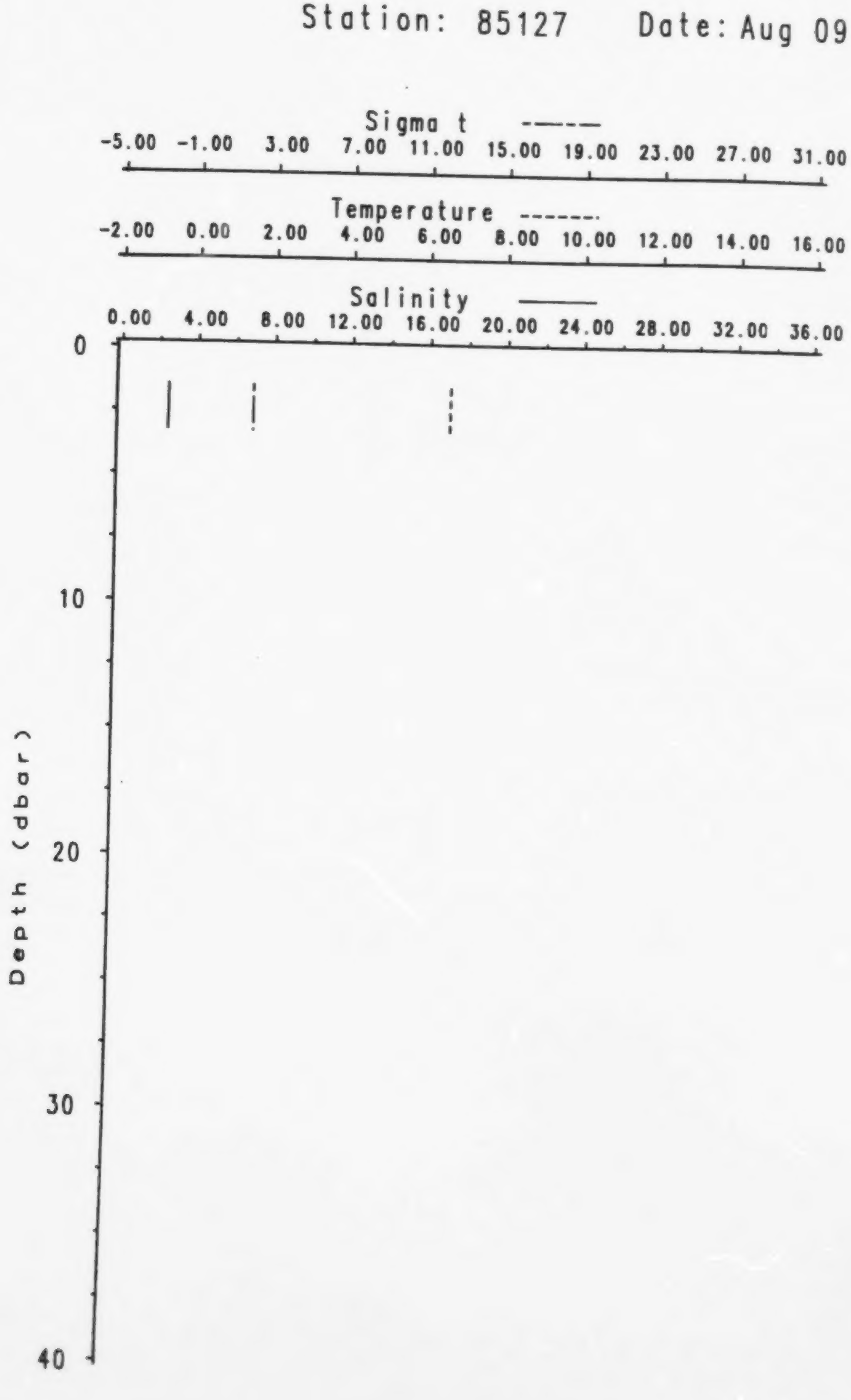
Station: 85127 Date: Aug 09
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.71. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85127, August 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	2.53	6.58	1001.93	2.4	2.52	6.57	1001.92	3.1	2.51	6.56	1001.92
1.6	2.53	6.57	1001.93	2.5	2.52	6.55	1001.92	3.2	2.51	6.55	1001.92
1.7	2.53	6.57	1001.93	2.6	2.51	6.56	1001.92	3.3	2.50	6.55	1001.91
2.0	2.52	6.57	1001.92	2.8	2.51	6.56	1001.92				
2.2	2.52	6.57	1001.92	3.0	2.50	6.55	1001.91				

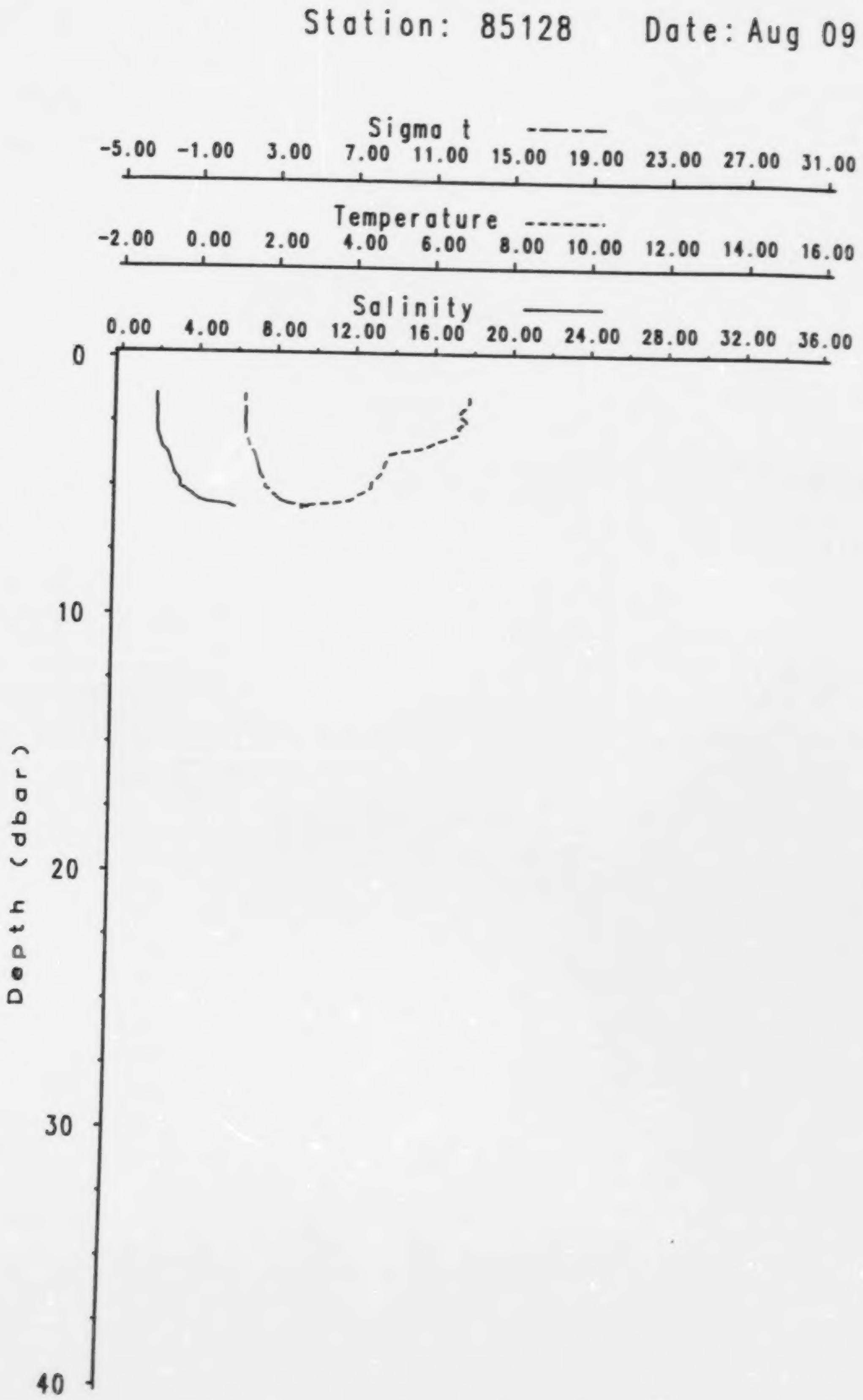
Station: 85128 Date: Aug 09
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.72. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85128, August 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	1.94	6.95	1001.45	2.8	2.00	6.71	1001.51	4.7	3.01	4.62	1002.38
1.6	1.94	6.96	1001.45	3.0	2.01	6.63	1001.52	4.8	3.15	4.53	1002.49
1.7	1.94	6.95	1001.45	3.1	2.06	6.46	1001.56	4.9	3.21	4.47	1002.54
1.9	1.95	6.86	1001.46	3.2	2.10	6.29	1001.60	5.1	3.23	4.46	1002.56
2.0	1.98	6.78	1001.49	3.3	2.16	6.09	1001.66	5.2	3.46	4.36	1002.74
2.2	1.99	6.68	1001.50	3.5	2.22	5.84	1001.72	5.4	3.82	4.13	1003.03
2.4	1.97	6.85	1001.47	3.6	2.29	5.57	1001.78	5.6	4.16	3.94	1003.31
2.5	1.96	6.88	1001.47	3.7	2.45	5.14	1001.92	5.7	4.62	3.54	1003.68
2.6	1.97	6.75	1001.48	3.8	2.56	4.91	1002.01	5.8	5.74	2.81	1004.57
2.7	2.00	6.67	1001.51	4.6	2.91	4.69	1002.30	5.9	6.03	2.70	1004.81

Station: 85129 Date: Aug 10

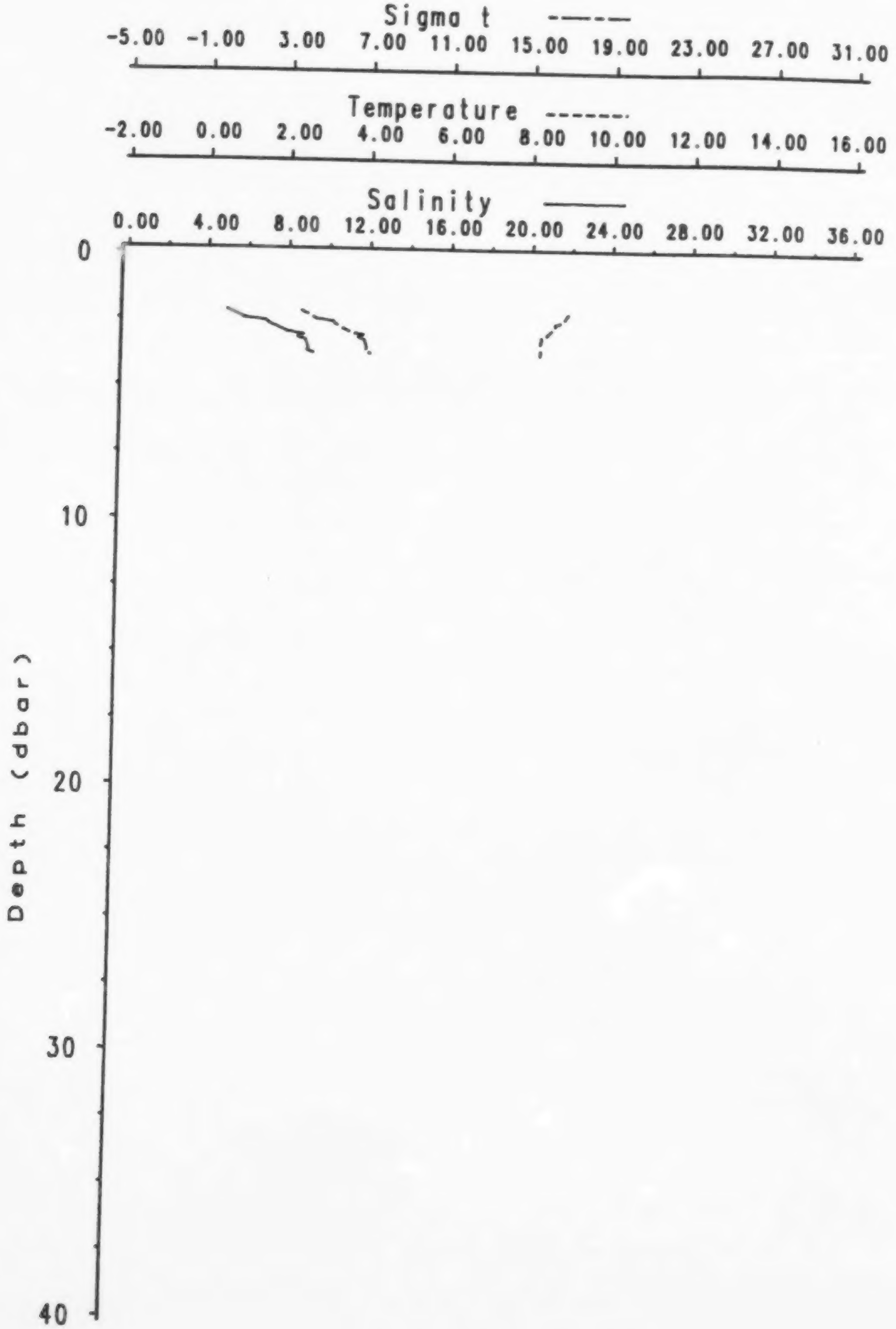

Table A1.73. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85129, August 10, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.2	4.98	8.94	1003.70	3.0	7.98	8.42	1006.09	3.6	9.04	8.26	1006.93
2.5	5.85	8.81	1004.39	3.1	8.81	8.26	1006.75	3.7	8.98	8.25	1006.88
2.6	6.95	8.61	1005.27	3.2	8.52	8.28	1006.52	3.8	9.30	8.25	1007.13
2.7	7.06	8.61	1005.35	3.3	8.90	8.25	1006.82				

Station: 85130 Date: Aug 10

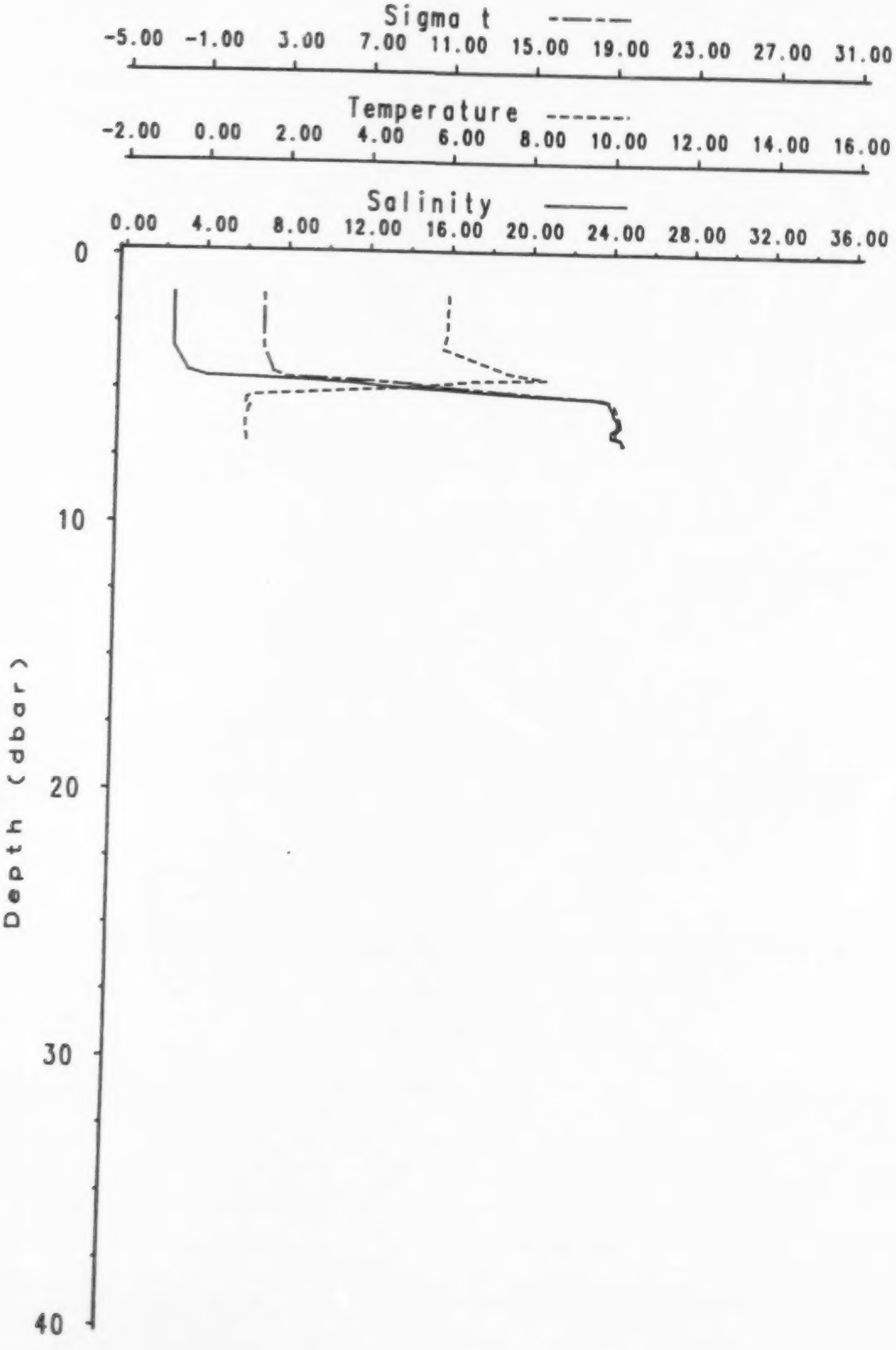

Table A1.74. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85130, August 10, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	2.50	5.98	1001.93	3.2	2.52	5.92	1001.95	5.7	24.16	1.16	1019.33
1.6	2.51	5.99	1001.94	3.3	2.52	5.91	1001.95	5.8	24.18	1.11	1019.35
1.9	2.50	5.99	1001.93	3.5	2.53	5.87	1001.96	5.9	24.22	1.11	1019.38
2.0	2.50	5.98	1001.93	4.4	3.26	7.54	1002.45	6.0	24.34	1.06	1019.48
2.1	2.51	5.96	1001.94	4.6	4.20	8.42	1003.13	6.2	24.40	1.04	1019.53
2.2	2.51	5.96	1001.94	4.7	9.14	6.58	1007.14	6.3	24.45	1.04	1019.57
2.4	2.51	5.96	1001.94	4.8	11.80	6.01	1009.27	6.5	24.10	1.05	1019.29
2.5	2.51	5.96	1001.94	4.9	12.87	5.42	1010.15	6.7	24.10	1.05	1019.29
2.6	2.51	5.97	1001.94	5.1	17.59	3.30	1014.00	6.8	24.61	1.08	1019.70
2.7	2.51	5.96	1001.94	5.2	20.05	2.24	1016.01	6.9	24.65	1.08	1019.73
2.8	2.51	5.96	1001.94	5.3	23.29	1.19	1018.63	7.0	24.66	1.09	1019.74
3.0	2.51	5.95	1001.94	5.4	23.95	1.07	1019.17				
3.1	2.51	5.93	1001.94	5.6	24.06	1.05	1019.26				

Station: 85131 Date: Aug 10

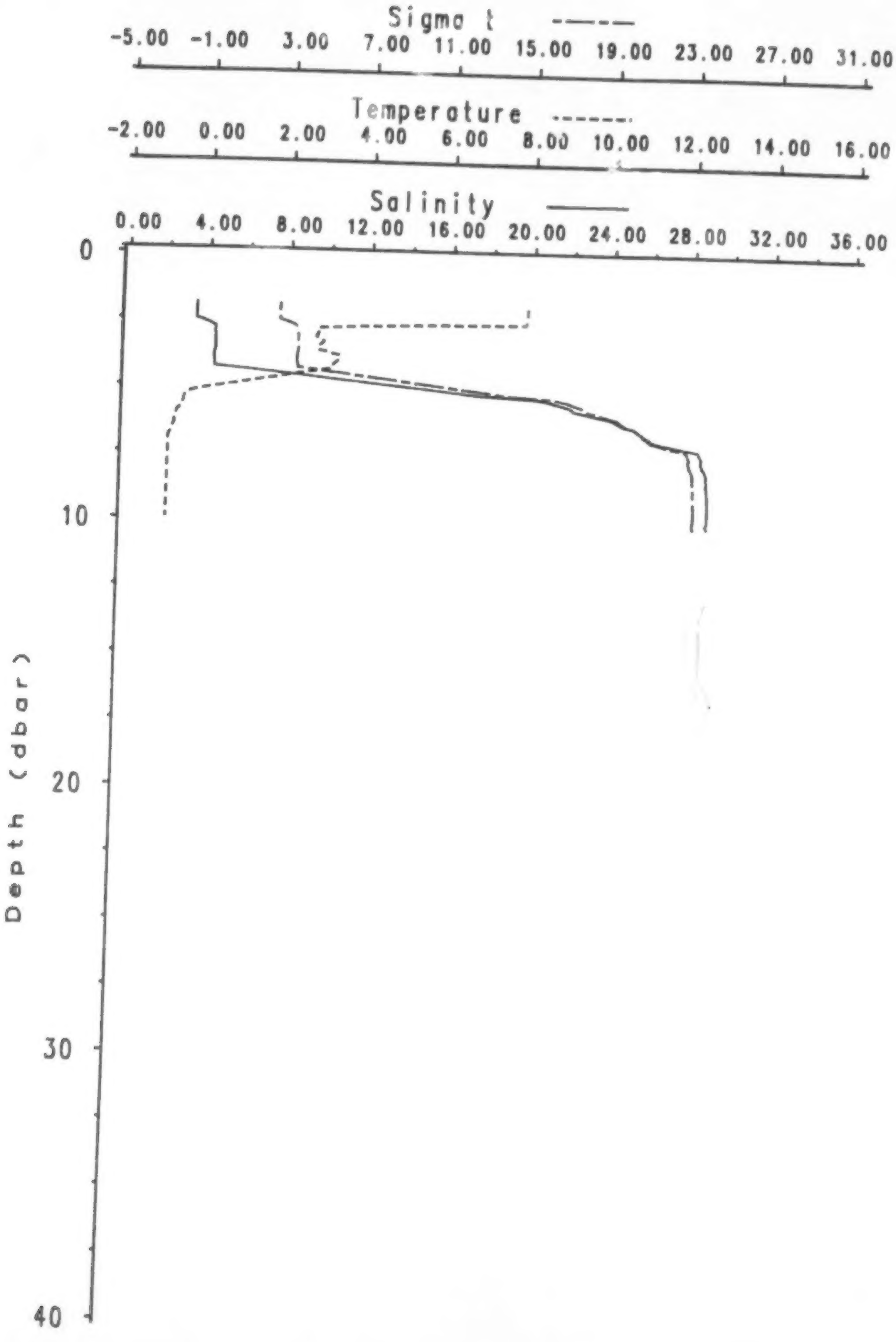

Table A1.75. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station [illegible]1, August 10, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	3.42	7.87	1002.56	5.3	20.35	-0.43	1016.30	7.8	28.74	-0.93	1023.08
2.1	3.41	7.87	1002.55	5.4	21.09	-0.54	1016.89	7.9	28.80	-0.93	1023.13
2.2	3.42	7.87	1002.56	5.6	22.03	-0.58	1017.65	8.0	28.85	-0.93	1023.17
2.4	3.42	7.86	1002.56	5.7	22.17	-0.59	1017.77	8.1	28.86	-0.93	1023.18
2.5	3.42	7.83	1002.56	5.8	22.89	-0.63	1018.35	8.3	28.88	-0.93	1023.19
2.6	3.79	5.65	1002.97	5.9	23.47	-0.67	1018.82	8.4	28.84	-0.93	1023.16
2.7	4.12	3.84	1003.27	6.0	24.10	-0.73	1019.33	8.5	28.90	-0.93	1023.21
2.8	4.36	2.69	1003.47	6.2	24.58	-0.77	1019.71	8.8	28.94	-0.93	1023.24
3.0	4.34	2.73	1003.45	6.3	25.16	-0.79	1020.18	8.9	28.94	-0.94	1023.24
3.1	4.39	2.68	1003.49	6.4	25.35	-0.79	1020.34	9.0	28.94	-0.93	1023.24
3.3	4.38	2.88	1003.49	6.5	25.56	-0.80	1020.51	9.2	28.96	-0.94	1023.26
3.5	4.39	2.73	1003.49	6.7	25.97	-0.87	1020.84	9.4	28.96	-0.94	1023.26
3.6	4.40	2.72	1003.50	6.8	26.19	-0.87	1021.02	9.5	28.95	-0.93	1023.25
3.7	4.36	2.99	1003.47	6.9	26.83	-0.92	1021.54	9.6	28.96	-0.94	1023.26
3.8	4.32	3.25	1003.44	7.0	27.51	-0.93	1022.09	9.7	28.94	-0.93	1023.24
3.9	4.31	3.30	1003.43	7.1	28.40	-0.92	1022.81	9.9	28.89	-0.93	1023.20
4.2	4.36	3.09	1003.47	7.4	28.60	-0.93	1022.97	10.0	28.96	-0.94	1023.26
4.3	4.39	3.10	1003.50	7.5	28.54	-0.93	1022.92				
5.2	17.30	-0.24	1013.84	7.7	28.64	-0.93	1023.00				

Station: 85132 Date: Aug 10

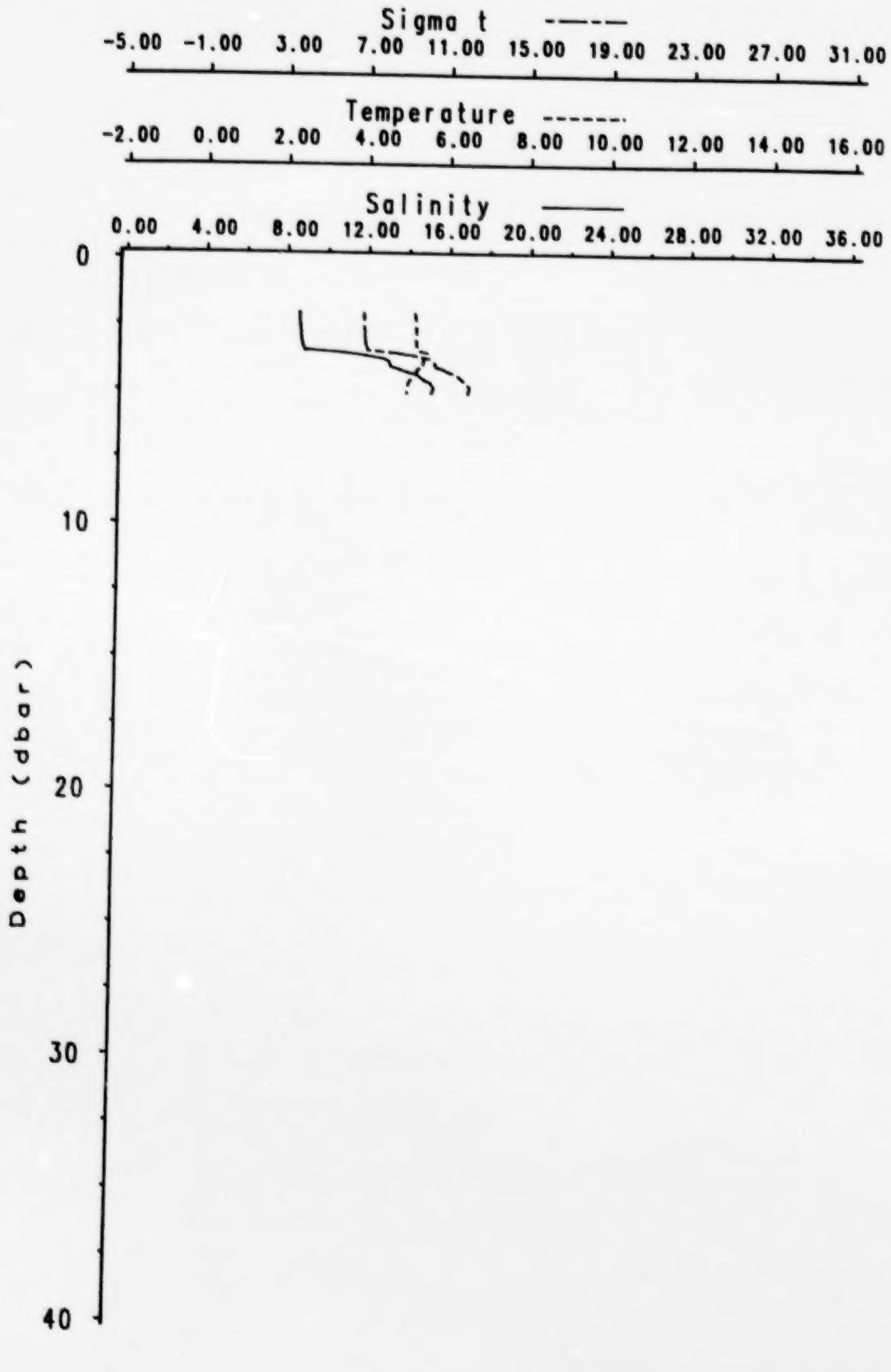

Table A1.76. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85132, August 10, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.1	8.64	5.17	1006.82	3.1	8.76	5.21	1006.92	4.2	13.64	5.25	1010.77
2.2	8.65	5.19	1006.83	3.3	8.80	5.23	1006.95	4.3	13.99	5.23	1011.05
2.4	8.66	5.21	1006.84	3.5	8.92	5.27	1007.04	4.4	14.48	5.12	1011.44
2.5	8.68	5.21	1006.85	3.6	10.84	5.53	1008.54	4.6	14.84	5.07	1011.73
2.6	8.69	5.22	1006.86	3.7	11.94	5.49	1009.41	4.7	15.13	5.03	1011.96
2.7	8.70	5.22	1006.87	3.8	12.85	5.43	1010.13	4.9	15.31	5.00	1012.10
2.8	8.73	5.23	1006.89	3.9	13.11	5.39	1010.34	5.1	15.21	4.99	1012.02
3.0	8.74	5.21	1006.90	4.1	13.19	5.37	1010.41				

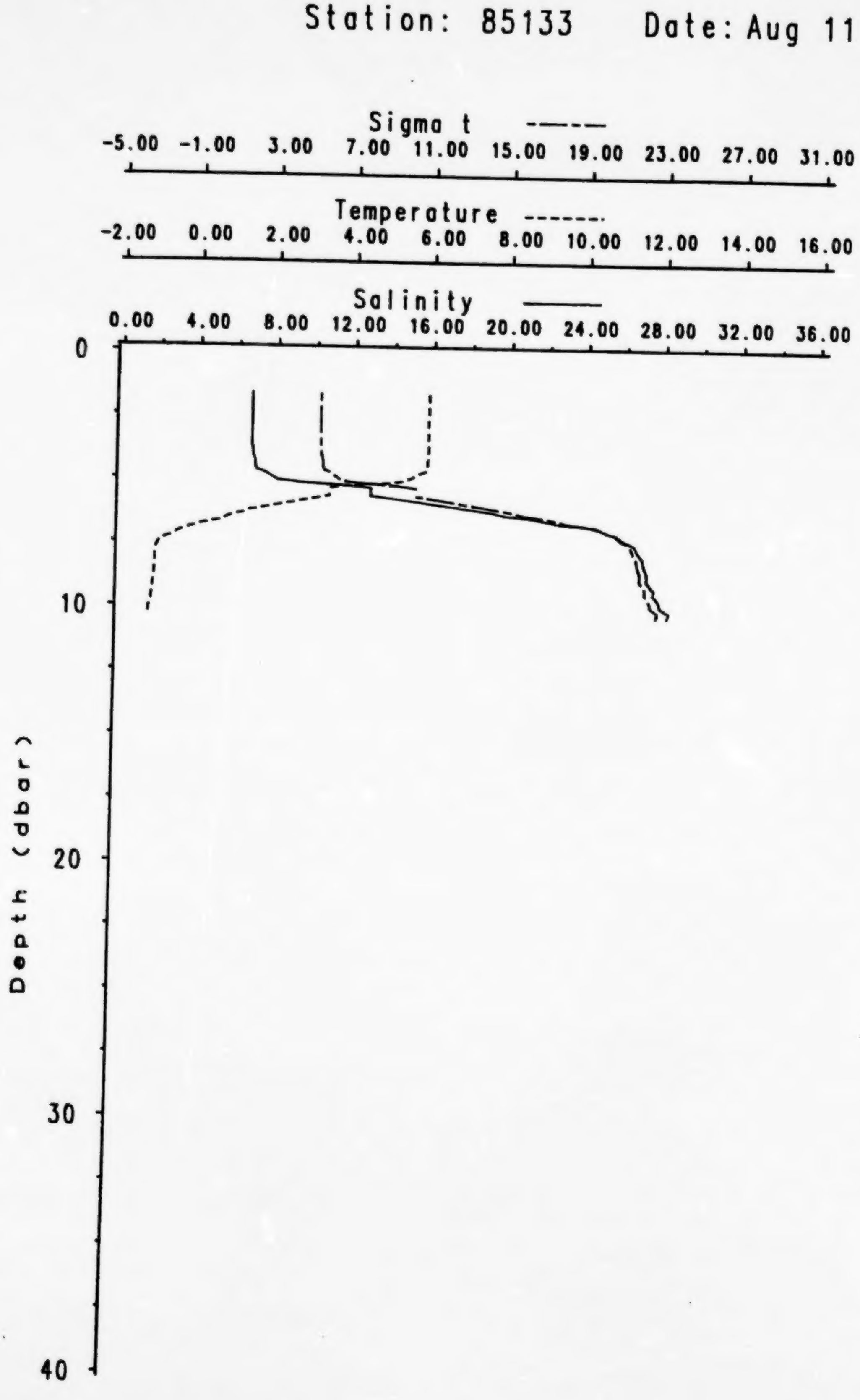
Station: 85133 Date: Aug 11
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.77. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85133, August 11, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	6.73	5.91	1005.28	5.2	9.20	4.81	1007.28	8.3	27.06	-1.09	1021.72
2.0	6.73	5.91	1005.28	5.3	11.70	3.78	1009.30	8.4	27.11	-1.09	1021.76
2.1	6.73	5.92	1005.28	5.4	12.92	3.38	1010.29	8.5	27.17	-1.09	1021.81
2.2	6.74	5.92	1005.29	5.7	12.92	3.38	1010.29	8.6	27.23	-1.10	1021.86
2.4	6.74	5.91	1005.29	6.3	19.27	1.31	1015.41	8.8	27.21	-1.11	1021.85
2.5	6.74	5.91	1005.29	6.4	19.79	1.17	1015.83	8.9	27.22	-1.11	1021.85
2.6	6.74	5.90	1005.29	6.5	21.24	0.87	1017.00	9.0	27.36	-1.12	1021.97
2.7	6.74	5.90	1005.29	6.7	22.71	0.63	1018.18	9.1	27.41	-1.12	1022.01
2.8	6.74	5.90	1005.29	6.8	24.30	0.25	1019.47	9.2	27.59	-1.14	1022.15
3.6	6.76	5.92	1005.30	6.9	24.80	-0.02	1019.88	9.4	27.55	-1.13	1022.12
3.7	6.76	5.92	1005.30	7.0	25.03	-0.22	1020.07	9.5	27.68	-1.15	1022.23
3.8	6.77	5.92	1005.31	7.1	25.60	-0.42	1020.53	9.6	27.78	-1.16	1022.31
3.9	6.80	5.91	1005.34	7.3	25.94	-0.64	1020.81	9.7	27.87	-1.17	1022.38
4.1	6.81	5.91	1005.34	7.4	26.27	-0.81	1021.08	9.9	27.93	-1.18	1022.43
4.2	6.86	5.91	1005.38	7.5	26.56	-0.98	1021.32	10.0	28.14	-1.20	1022.60
4.4	6.94	5.89	1005.45	7.7	26.68	-1.04	1021.42	10.1	28.37	-1.23	1022.79
4.6	6.96	5.88	1005.46	7.8	26.76	-1.07	1021.48	10.2	28.36	-1.23	1022.78
4.7	7.02	5.86	1005.51	7.9	26.86	-1.08	1021.56	10.3	28.30	-1.24	1022.73
4.8	7.40	5.71	1005.82	8.0	26.98	-1.09	1021.66				
5.1	8.08	5.34	1006.37	8.1	27.00	-1.09	1021.67				

Station: 85134 Date: Aug 11

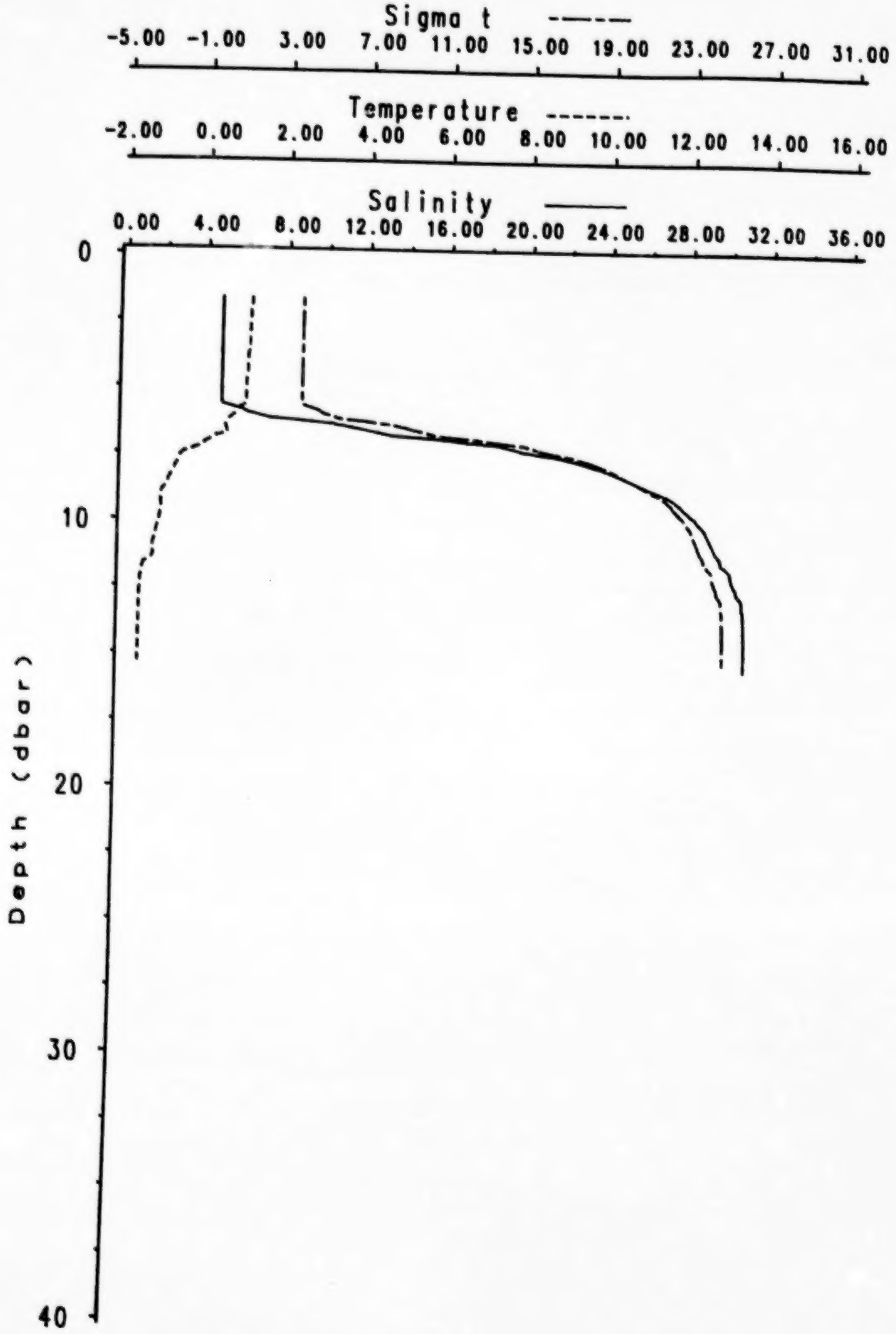

Table A1.78. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85134, August 11, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	4.82	1.13	1003.81	6.2	7.22	0.66	1005.73	11.7	30.18	-1.42	1024.26
1.9	4.82	1.13	1003.81	6.3	8.88	0.58	1007.07	11.8	30.19	-1.44	1024.27
2.0	4.83	1.10	1003.82	6.4	10.43	0.55	1008.32	12.0	30.25	-1.47	1024.31
2.1	4.82	1.09	1003.81	6.5	11.23	0.52	1008.96	12.1	30.30	-1.48	1024.36
2.2	4.82	1.10	1003.81	6.7	12.64	0.57	1010.09	12.2	30.36	-1.49	1024.40
2.4	4.82	1.11	1003.81	6.8	13.31	0.54	1010.63	12.3	30.47	-1.50	1024.49
2.5	4.83	1.09	1003.82	6.9	15.59	0.30	1012.46	12.5	30.51	-1.48	1024.53
2.6	4.83	1.09	1003.82	7.0	16.91	0.20	1013.53	12.6	30.63	-1.49	1024.62
2.7	4.83	1.09	1003.82	7.1	18.68	0.08	1014.95	12.7	30.75	-1.51	1024.72
3.3	4.84	1.09	1003.83	7.3	19.73	-0.10	1015.80	12.8	30.79	-1.51	1024.75
3.5	4.83	1.08	1003.82	7.4	20.67	-0.26	1016.55	12.9	30.81	-1.51	1024.77
3.6	4.82	1.07	1003.81	7.5	21.68	-0.47	1017.37	13.1	30.83	-1.51	1024.79
3.7	4.83	1.08	1003.82	7.7	22.80	-0.61	1018.27	13.2	30.87	-1.51	1024.82
3.8	4.83	1.05	1003.82	7.8	23.24	-0.62	1018.63	13.3	30.88	-1.51	1024.83
3.9	4.82	1.05	1003.81	7.9	23.72	-0.64	1019.02	13.4	30.89	-1.51	1024.83
4.1	4.83	1.05	1003.82	8.9	27.00	-0.96	1021.67	13.6	30.91	-1.51	1024.85
4.2	4.82	1.05	1003.81	9.0	27.25	-1.01	1021.88	13.7	30.92	-1.51	1024.86
4.3	4.82	1.05	1003.81	9.1	27.43	-1.03	1022.02	13.8	30.93	-1.51	1024.87
4.4	4.82	1.05	1003.81	9.2	27.61	-1.04	1022.17	13.9	30.93	-1.51	1024.87
4.6	4.83	1.04	1003.82	9.4	27.86	-1.02	1022.37	14.1	30.94	-1.51	1024.88
4.7	4.83	1.02	1003.82	9.5	28.04	-1.02	1022.52	14.2	30.94	-1.51	1024.88
4.8	4.83	1.02	1003.82	9.6	28.17	-1.03	1022.62	14.3	30.96	-1.52	1024.89
5.1	4.83	1.02	1003.82	9.7	28.38	-1.04	1022.79	14.4	30.96	-1.52	1024.89
5.2	4.83	1.02	1003.82	9.9	28.57	-1.04	1022.95	14.6	30.95	-1.51	1024.88
5.3	4.83	1.02	1003.82	10.0	28.73	-1.06	1023.08	14.7	30.96	-1.51	1024.89
5.4	4.84	1.02	1003.82	10.1	28.85	-1.07	1023.17	14.8	30.95	-1.51	1024.88
5.6	4.83	1.02	1003.82	11.0	29.45	-1.20	1023.66	14.9	30.96	-1.51	1024.89
5.7	4.88	1.00	1003.86	11.1	29.56	-1.21	1023.75	15.2	30.97	-1.52	1024.88
5.8	5.38	0.91	1004.26	11.2	29.67	-1.19	1023.84	15.3	30.94	-1.51	1024.88
5.9	5.88	0.82	1004.66	11.4	29.71	-1.19	1023.87	15.4	30.96	-1.51	1024.89
6.0	6.10	0.79	1004.83	11.5	29.90	-1.22	1024.03				

Station: 85135 Date: Aug 11

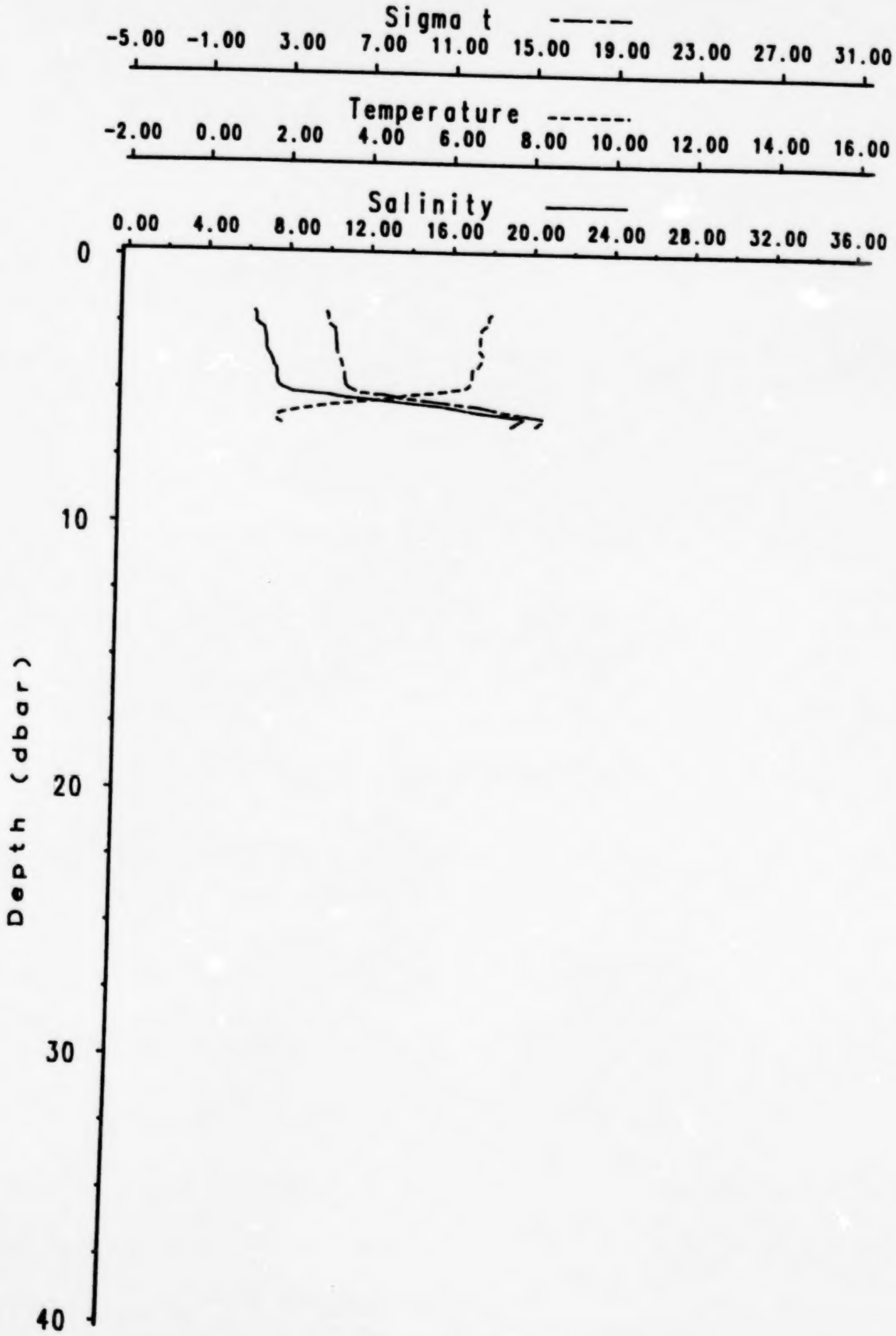

Table A1.79. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85135, August 11, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.1	6.39	7.00	1004.95	3.6	7.06	6.79	1005.49	4.9	7.73	6.39	1006.04
2.2	6.46	6.94	1005.01	3.7	7.16	6.84	1005.57	5.1	8.32	5.59	1006.55
2.4	6.46	6.95	1005.01	3.9	7.30	6.77	1005.68	5.2	10.21	4.93	1008.08
2.5	6.47	6.92	1005.02	4.1	7.37	6.69	1005.74	5.3	10.95	4.67	1008.67
2.6	6.64	6.82	1005.16	4.2	7.49	6.56	1005.84	5.6	15.72	2.96	1012.53
2.7	6.85	6.77	1005.33	4.3	7.53	6.55	1005.87	5.8	17.38	2.18	1013.88
3.0	6.95	6.74	1005.41	4.4	7.53	6.55	1005.87	5.9	18.60	1.89	1014.86
3.2	6.99	6.74	1005.44	4.6	7.54	6.54	1005.88	6.0	19.70	1.74	1015.74
3.3	7.00	6.74	1005.45	4.7	7.58	6.51	1005.92	6.2	19.31	1.80	1015.43
3.5	7.01	6.73	1005.45	4.8	7.60	6.48	1005.93	6.3	19.09	1.94	1015.25

Station: 85136 Date: Aug 12

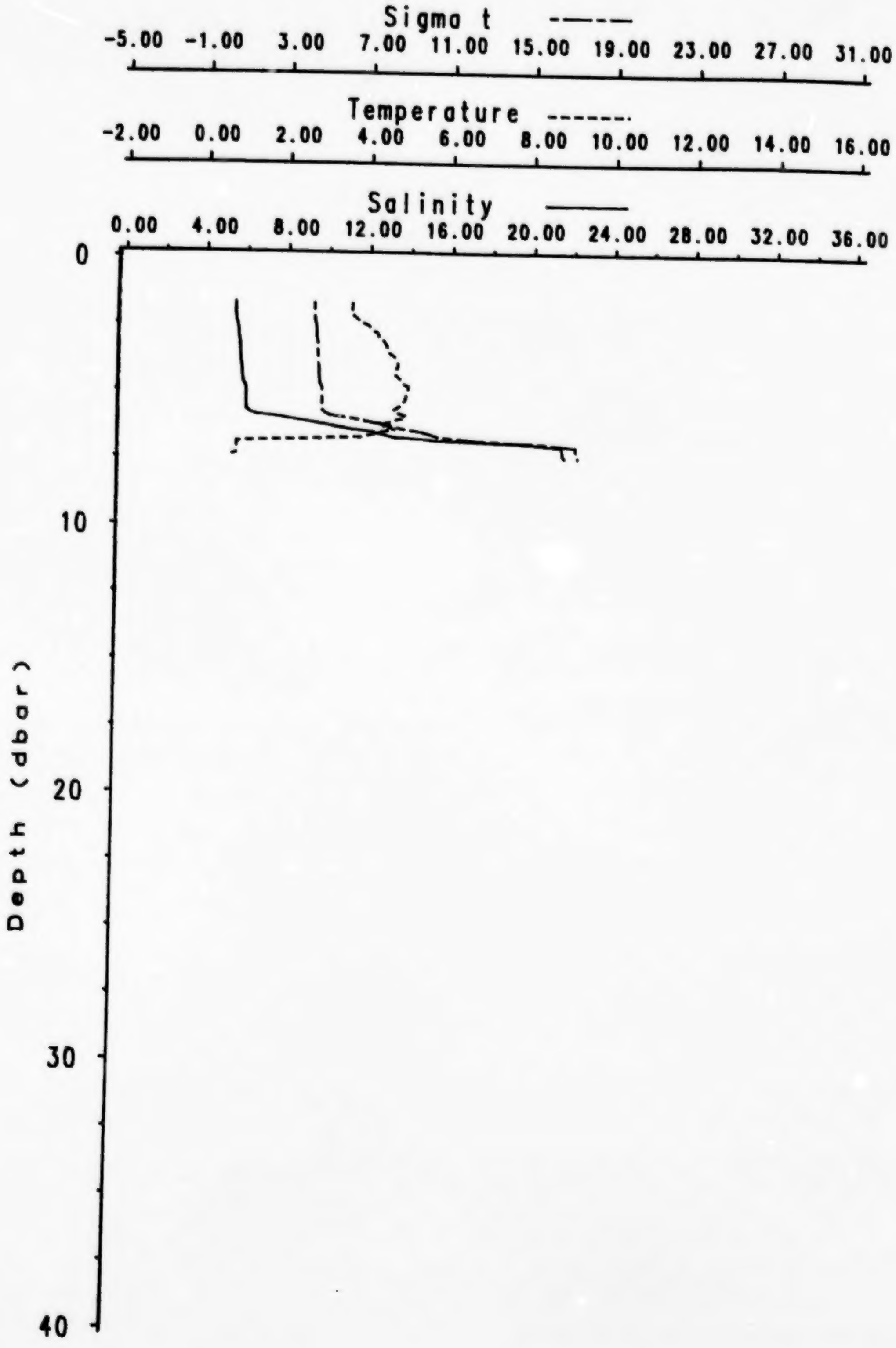

Table A1.80. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85136, August 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	5.48	3.60	1004.36	3.7	5.78	4.66	1004.58	5.7	6.09	4.65	1004.82
1.9	5.48	3.59	1004.36	3.9	5.79	4.75	1004.58	5.8	6.24	4.77	1004.94
2.0	5.47	3.59	1004.35	4.1	5.83	4.75	1004.62	5.9	6.58	4.98	1005.20
2.1	5.48	3.60	1004.36	4.2	5.85	4.67	1004.63	6.0	7.89	4.84	1006.24
2.2	5.50	3.67	1004.38	4.3	5.86	4.66	1004.64	6.2	9.67	4.45	1007.67
2.4	5.54	3.81	1004.41	4.4	5.87	4.70	1004.65	6.3	10.36	4.42	1008.22
2.5	5.59	3.99	1004.44	4.6	5.90	4.87	1004.67	6.4	11.18	4.69	1008.86
2.7	5.64	4.12	1004.48	4.7	5.91	4.88	1004.67	6.5	12.30	4.38	1009.76
2.8	5.66	4.23	1004.49	4.8	6.01	5.01	1004.75	6.7	13.31	3.89	1010.58
3.0	5.67	4.29	1004.50	4.9	6.06	5.00	1004.79	6.8	15.38	2.37	1012.27
3.1	5.70	4.39	1004.52	5.1	6.06	4.96	1004.79	6.9	19.63	0.81	1015.71
3.2	5.73	4.43	1004.55	5.2	6.07	4.95	1004.80	7.0	21.59	0.81	1017.28
3.3	5.74	4.47	1004.55	5.3	6.07	4.93	1004.80	7.3	21.65	0.83	1017.33
3.5	5.75	4.52	1004.56	5.4	6.07	4.89	1004.80	7.4	21.75	0.71	1017.41
3.6	5.76	4.57	1004.57	5.6	6.09	4.74	1004.82				

Station: 85137 Date: Aug 12

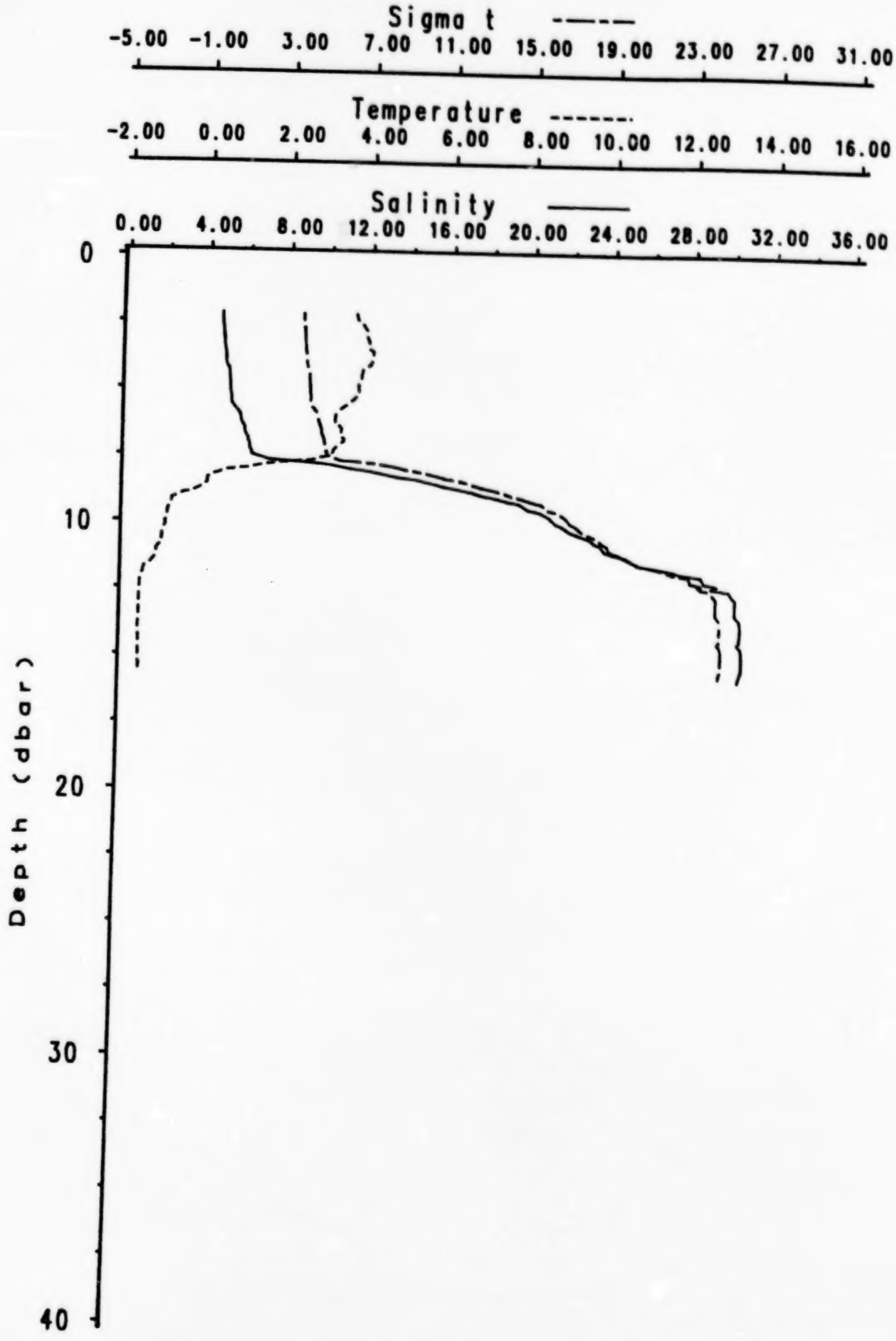

Table A1.81. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85137, August 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.2	4.73	3.67	1003.76	6.7	5.97	3.34	1004.76	11.0	24.25	-1.11	1019.45
2.4	4.73	3.70	1003.76	6.8	6.03	3.35	1004.80	11.1	24.78	-1.16	1019.88
2.5	4.75	3.80	1003.78	6.9	6.12	3.43	1004.87	11.2	25.05	-1.16	1020.10
2.6	4.76	3.85	1003.78	7.0	6.14	3.41	1004.89	11.4	25.59	-1.18	1020.53
2.7	4.78	3.88	1003.80	7.1	6.18	3.29	1004.92	11.5	26.50	-1.23	1021.27
2.8	4.80	3.94	1003.82	7.3	6.23	3.17	1004.96	11.6	27.27	-1.27	1021.90
3.0	4.83	3.95	1003.84	7.4	6.30	3.15	1005.02	11.7	27.72	-1.38	1022.26
3.1	4.84	3.96	1003.85	7.5	6.32	3.11	1005.04	11.8	28.71	-1.46	1023.07
3.2	4.86	4.00	1003.86	7.7	7.16	2.62	1005.71	12.0	28.84	-1.48	1023.17
3.5	4.89	4.02	1003.89	7.8	9.28	1.85	1007.41	12.1	29.52	-1.53	1023.72
3.6	4.91	4.12	1003.90	7.9	10.48	1.40	1008.37	12.2	29.23	-1.52	1023.49
3.7	4.95	4.11	1003.93	8.0	11.19	1.11	1008.93	12.3	30.11	-1.55	1024.20
3.8	4.95	4.12	1003.93	8.1	12.25	0.56	1009.78	12.5	30.28	-1.54	1024.34
3.9	4.96	4.11	1003.94	8.3	13.59	0.19	1010.85	12.6	30.44	-1.56	1024.47
4.1	4.98	4.05	1003.96	8.4	14.71	0.07	1011.75	13.2	30.44	-1.56	1024.47
4.2	5.03	3.96	1004.00	8.6	15.82	0.07	1012.65	13.4	30.68	-1.56	1024.67
4.3	5.13	3.86	1004.08	8.8	17.29	-0.13	1013.83	13.7	30.74	-1.56	1024.71
4.6	5.17	3.82	1004.11	8.9	17.68	-0.25	1014.14	13.8	30.73	-1.56	1024.71
4.8	5.19	3.78	1004.13	9.0	18.43	-0.52	1014.75	13.9	30.71	-1.57	1024.69
4.9	5.20	3.75	1004.14	9.1	18.96	-0.67	1015.17	14.1	30.72	-1.56	1024.70
5.1	5.20	3.78	1004.14	9.2	19.61	-0.79	1015.70	14.2	30.70	-1.57	1024.68
5.2	5.22	3.75	1004.15	9.4	20.03	-0.82	1016.04	14.3	30.59	-1.56	1024.59
5.3	5.25	3.71	1004.18	9.5	20.66	-0.87	1016.55	14.4	30.75	-1.56	1024.72
5.4	5.25	3.66	1004.18	9.7	21.13	-0.90	1016.93	14.6	30.83	-1.56	1024.79
5.6	5.28	3.50	1004.20	9.9	21.41	-0.92	1017.15	14.8	30.85	-1.56	1024.80
5.7	5.36	3.40	1004.27	10.0	21.74	-0.93	1017.42	14.9	30.84	-1.56	1024.80
5.8	5.49	3.31	1004.37	10.1	21.91	-0.96	1017.56	15.0	30.84	-1.56	1024.80
5.9	5.61	3.25	1004.47	10.2	22.12	-0.94	1017.73	15.2	30.83	-1.56	1024.79
6.0	5.71	3.20	1004.55	10.3	22.52	-0.98	1018.05	15.3	30.83	-1.56	1024.79
6.2	5.75	3.19	1004.58	10.5	23.21	-1.03	1018.61	15.4	30.77	-1.53	1024.74
6.3	5.78	3.21	1004.61	10.6	23.34	-1.02	1018.71	15.7	30.65	-1.55	1024.64
6.4	5.86	3.30	1004.67	10.7	23.67	-1.04	1018.98				
6.5	5.94	3.36	1004.73	10.9	23.86	-1.03	1019.13				

Station: 85138 Date: Aug 12

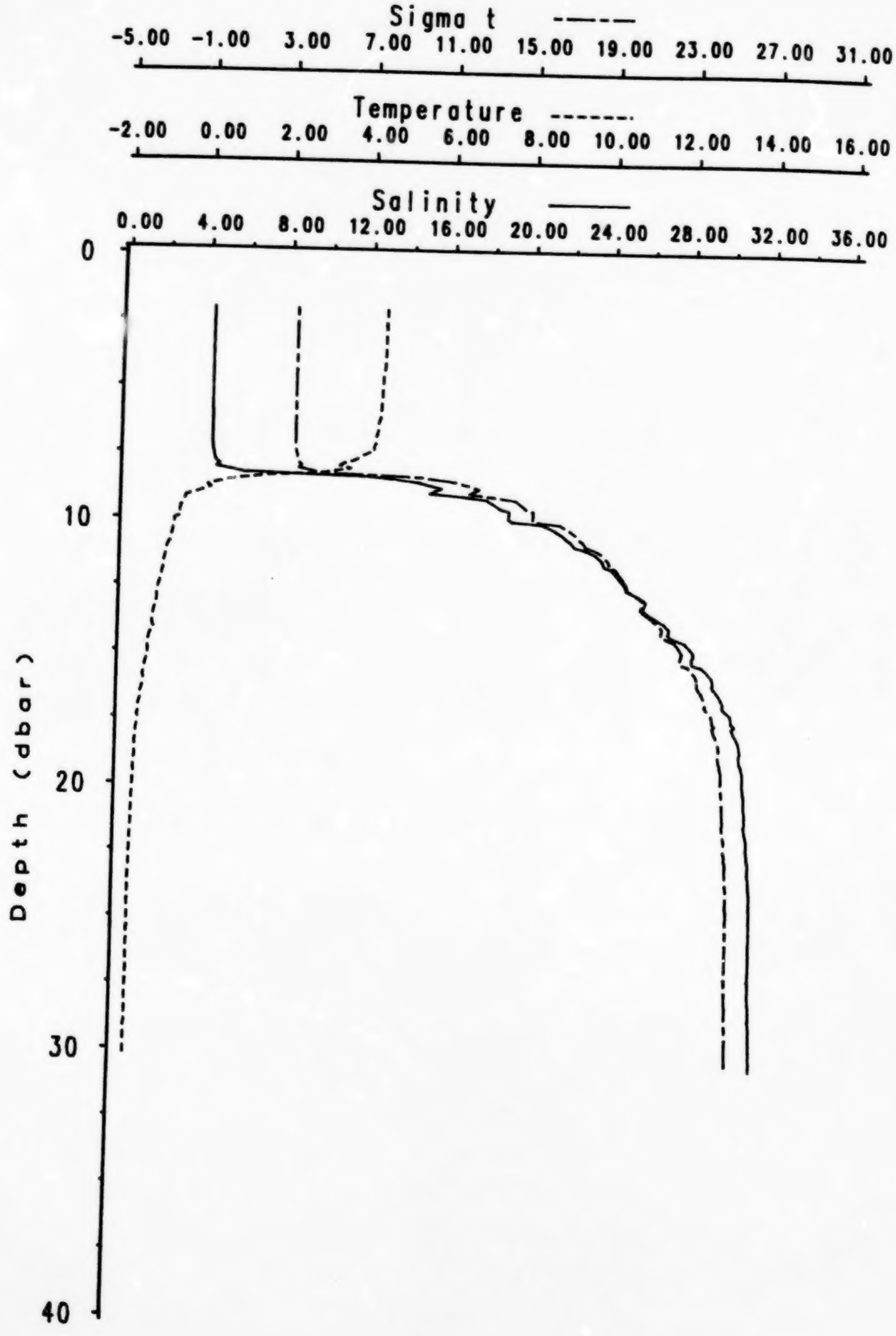

Table A1.82. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85138, August 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.1	4.26	4.39	1003.38	9.6	19.05	-0.60	1015.25	17.4	30.38	-1.53	1024.42
2.2	4.26	4.39	1003.38	9.9	19.02	-0.63	1015.22	17.5	30.52	-1.56	1024.54
2.4	4.26	4.39	1003.38	10.0	19.22	-0.61	1015.38	17.6	30.39	-1.53	1024.43
2.5	4.26	4.38	1003.38	10.1	20.78	-0.74	1016.64	17.8	30.50	-1.55	1024.52
2.6	4.26	4.38	1003.38	10.3	21.37	-0.76	1017.12	18.1	30.73	-1.58	1024.71
2.7	4.27	4.38	1003.39	10.5	21.79	-0.78	1017.46	18.4	30.82	-1.59	1024.78
2.8	4.26	4.39	1003.38	10.6	21.93	-0.79	1017.57	18.5	30.84	-1.60	1024.80
3.1	4.26	4.38	1003.38	10.7	22.13	-0.81	1017.73	18.6	30.79	-1.60	1024.76
3.2	4.26	4.38	1003.38	10.9	22.34	-0.82	1017.90	18.7	30.77	-1.60	1024.74
3.3	4.26	4.38	1003.38	11.0	22.91	-0.87	1018.36	18.9	30.82	-1.59	1024.78
3.5	4.27	4.38	1003.39	11.2	23.46	-0.93	1018.81	19.0	30.89	-1.59	1024.84
3.6	4.26	4.38	1003.38	11.4	23.73	-0.95	1019.03	19.1	30.92	-1.60	1024.86
3.7	4.26	4.38	1003.38	11.6	23.85	-0.97	1019.12	19.2	30.96	-1.61	1024.89
3.8	4.27	4.38	1003.39	11.7	24.20	-0.99	1019.41	19.3	30.99	-1.62	1024.92
3.9	4.27	4.37	1003.39	12.0	24.57	-1.01	1019.71	19.5	31.01	-1.62	1024.93
4.2	4.27	4.37	1003.39	12.2	24.80	-1.04	1019.89	19.6	31.00	-1.61	1024.93
4.3	4.26	4.36	1003.38	12.3	24.91	-1.05	1019.98	19.7	31.01	-1.62	1024.93
4.6	4.27	4.33	1003.39	12.5	25.00	-1.08	1020.06	19.9	31.04	-1.62	1024.96
5.6	4.28	4.30	1003.40	12.7	25.60	-1.12	1020.54	20.0	31.05	-1.62	1024.97
5.8	4.28	4.29	1003.40	12.8	25.82	-1.13	1020.72	20.1	31.07	-1.62	1024.98
5.9	4.28	4.29	1003.40	12.9	25.97	-1.14	1020.84	20.2	31.09	-1.64	1025.00
6.0	4.29	4.28	1003.40	13.2	25.82	-1.15	1020.72	20.4	31.10	-1.63	1025.01
6.2	4.28	4.28	1003.40	13.3	26.00	-1.16	1020.87	20.5	31.10	-1.64	1025.01
6.3	4.29	4.25	1003.40	13.6	26.65	-1.21	1021.39	20.6	31.10	-1.63	1025.01
6.4	4.29	4.24	1003.40	13.7	26.90	-1.23	1021.60	20.7	31.12	-1.63	1025.02
6.7	4.29	4.22	1003.40	13.9	27.16	-1.24	1021.81	20.8	31.14	-1.64	1025.04
6.8	4.30	4.21	1003.41	14.1	27.12	-1.23	1021.77	21.1	31.16	-1.64	1025.06
6.9	4.31	4.18	1003.42	14.2	27.22	-1.19	1021.85	21.2	31.16	-1.65	1025.06
7.0	4.30	4.20	1003.41	14.4	27.95	-1.28	1022.45	21.3	31.12	-1.64	1025.02
7.1	4.30	4.19	1003.41	14.6	28.22	-1.32	1022.67	21.6	31.19	-1.64	1025.08
7.3	4.32	4.14	1003.43	14.8	28.41	-1.34	1022.82	21.7	31.23	-1.66	1025.11
7.4	4.33	4.14	1003.44	14.9	28.40	-1.34	1022.81	21.8	31.25	-1.65	1025.13
7.7	4.42	3.77	1003.51	15.0	28.32	-1.33	1022.75	21.9	31.28	-1.66	1025.15
7.8	4.44	3.66	1003.53	15.2	28.36	-1.32	1022.78	22.1	31.25	-1.66	1025.13
7.9	4.53	3.41	1003.61	15.3	28.80	-1.35	1023.14	22.2	31.25	-1.66	1025.13
8.0	4.69	3.31	1003.73	15.5	29.11	-1.38	1023.39	22.3	31.28	-1.66	1025.15
8.1	4.53	3.59	1003.60	15.7	29.33	-1.41	1023.57	22.4	31.31	-1.66	1025.18
8.3	5.86	2.80	1004.67	15.9	29.41	-1.43	1023.63	22.6	31.34	-1.67	1025.20
8.4	12.08	1.55	1009.65	16.0	29.38	-1.44	1023.61	22.8	31.38	-1.68	1025.24
8.6	14.60	0.54	1011.67	16.1	29.43	-1.42	1023.65	22.9	31.36	-1.67	1025.22
8.8	15.69	0.05	1012.54	16.3	29.65	-1.43	1023.83	23.1	31.35	-1.67	1025.21
8.9	15.38	0.14	1012.29	16.5	29.82	-1.46	1023.97	23.2	31.38	-1.67	1025.24
9.0	15.10	-0.05	1012.07	16.7	29.94	-1.50	1024.06	23.3	31.42	-1.68	1025.27
9.1	16.83	-0.21	1013.46	16.8	29.89	-1.49	1024.02	23.4	31.43	-1.68	1025.28
9.2	17.95	-0.46	1014.36	16.9	29.98	-1.49	1024.10	23.6	31.44	-1.68	1025.28
9.5	18.57	-0.55	1014.86	17.1	30.30	-1.53	1024.36	23.7	31.46	-1.68	1025.30

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Table A1.82. Station 85138 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
23.8	31.47	-1.69	1025.31	25.5	31.50	-1.68	1025.33	28.1	31.58	-1.69	1025.40
23.9	31.47	-1.68	1025.31	25.6	31.51	-1.69	1025.34	28.3	31.59	-1.69	1025.41
24.0	31.46	-1.68	1025.30	25.8	31.49	-1.68	1025.33	28.5	31.57	-1.68	1025.39
24.2	31.46	-1.68	1025.30	26.0	31.49	-1.68	1025.33	28.6	31.57	-1.68	1025.39
24.3	31.46	-1.68	1025.30	26.1	31.51	-1.69	1025.34	28.9	31.62	-1.69	1025.43
24.4	31.46	-1.67	1025.30	26.3	31.51	-1.69	1025.34	29.0	31.61	-1.68	1025.42
24.5	31.49	-1.69	1025.33	27.1	31.49	-1.67	1025.32	29.1	31.63	-1.68	1025.44
24.7	31.48	-1.68	1025.32	27.2	31.52	-1.68	1025.35	29.2	31.63	-1.70	1025.44
24.8	31.47	-1.67	1025.31	27.5	31.53	-1.69	1025.36	29.5	31.64	-1.69	1025.45
24.9	31.48	-1.68	1025.32	27.6	31.53	-1.68	1025.36	30.2	31.67	-1.69	1025.47
25.0	31.50	-1.68	1025.33	27.7	31.53	-1.69	1025.36	30.3	31.67	-1.69	1025.47
25.3	31.50	-1.68	1025.33	28.0	31.55	-1.69	1025.37	30.5	31.67	-1.69	1025.47

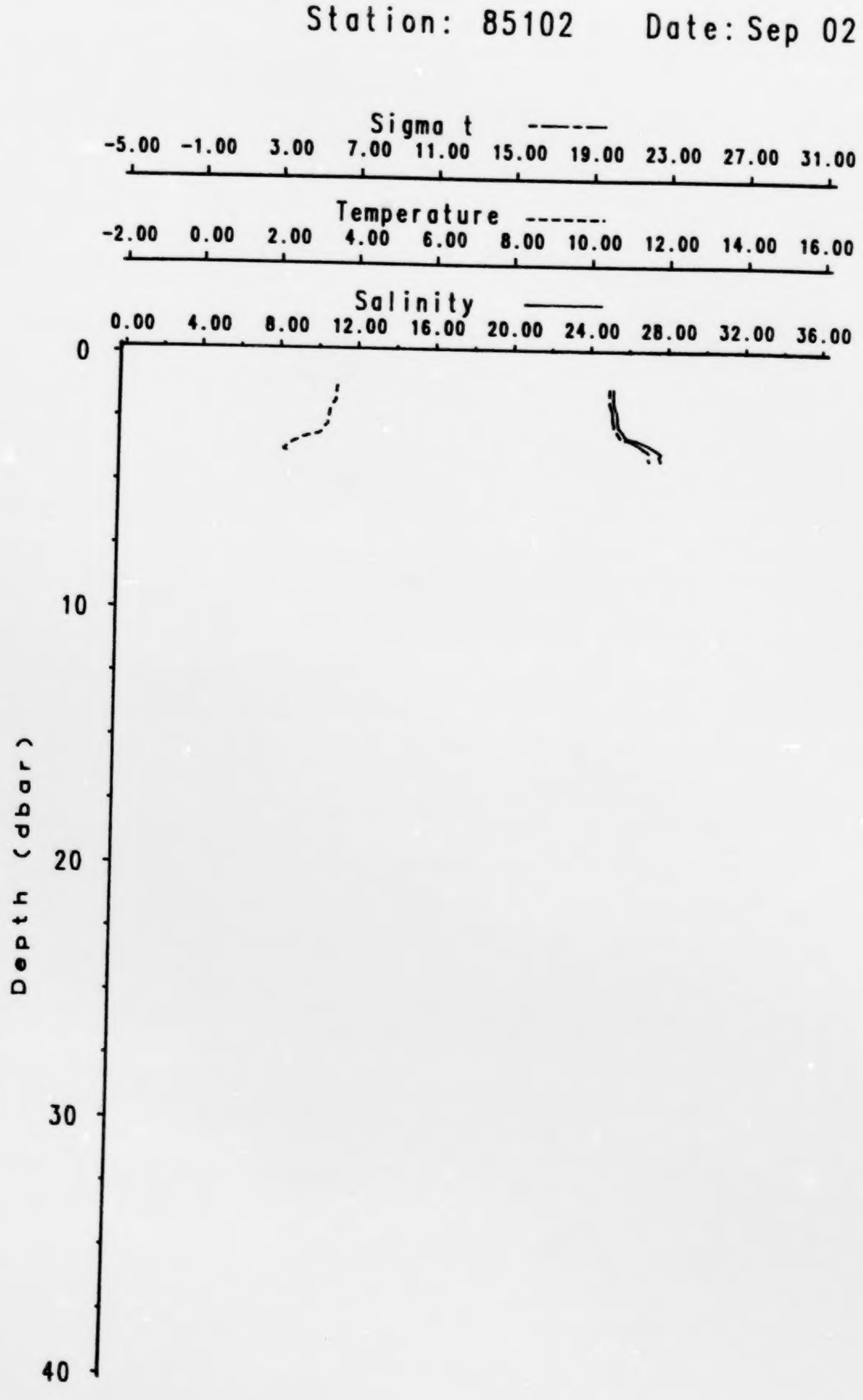
Station: 85102 Date: Sep 02
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.83. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85102, September 2, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.3	25.29	3.52	1020.11	2.4	25.52	3.33	1020.30	3.2	26.01	3.07	1020.71
1.5	25.28	3.50	1020.10	2.5	25.52	3.32	1020.30	3.3	26.56	2.74	1021.17
1.6	25.28	3.50	1020.10	2.6	25.54	3.32	1020.32	3.5	27.19	2.44	1021.69
1.7	25.29	3.50	1020.11	2.7	25.57	3.29	1020.35	3.6	27.40	2.35	1021.87
1.9	25.33	3.48	1020.14	2.8	25.59	3.29	1020.36	3.7	27.64	2.25	1022.07
2.0	25.37	3.43	1020.18	3.0	25.82	3.17	1020.55	3.8	27.83	2.17	1022.22
2.2	25.48	3.35	1020.27	3.1	25.89	3.14	1020.61	3.9	27.71	2.25	1022.12

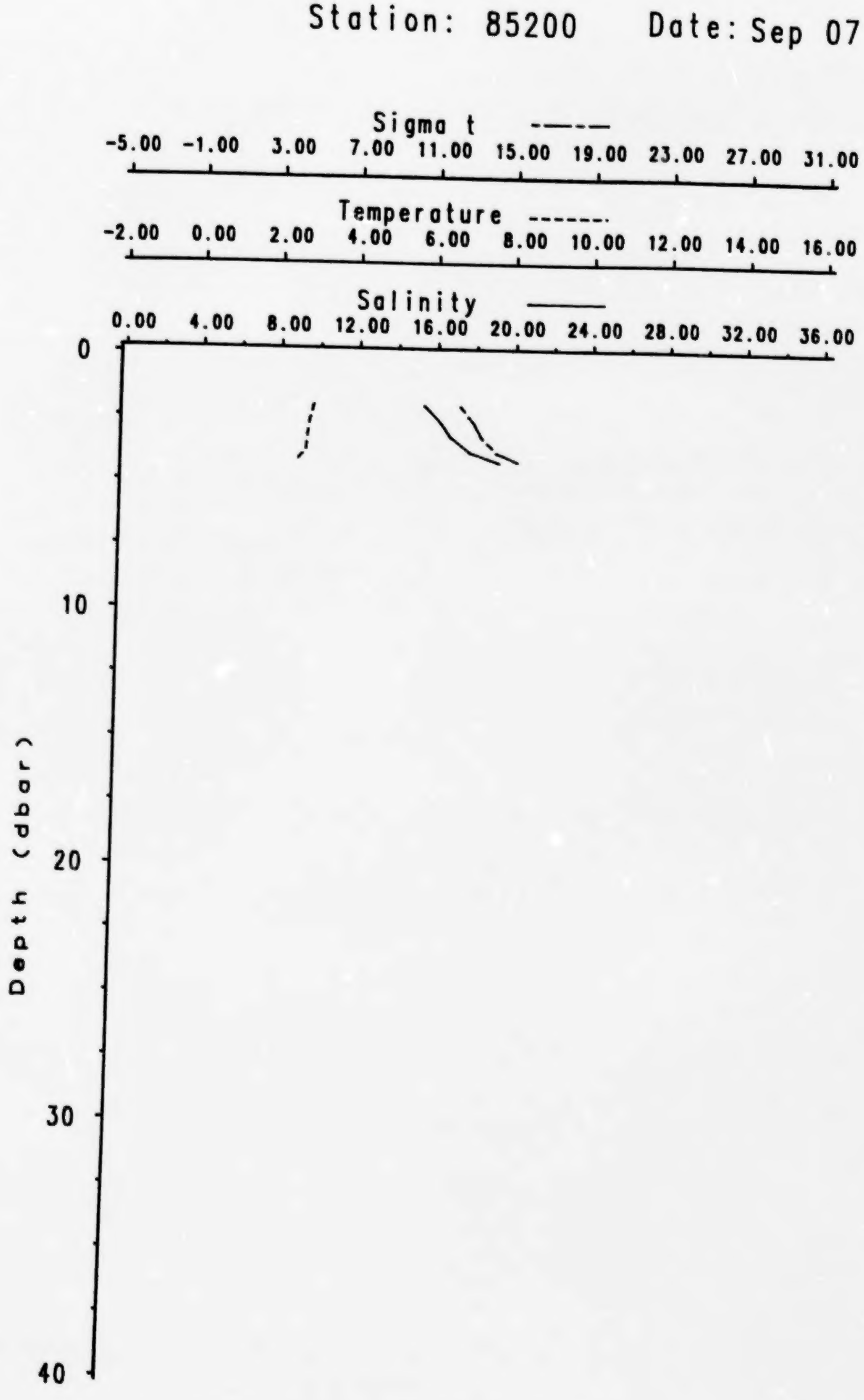
Station: 85200 Date: Sep 07
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.84. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85200, September 7, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	15.42	2.87	1012.29	3.2	16.76	2.72	1013.36	4.2	19.32	2.47	1015.41
2.7	16.30	2.76	1013.00	3.8	17.76	2.68	1014.16				

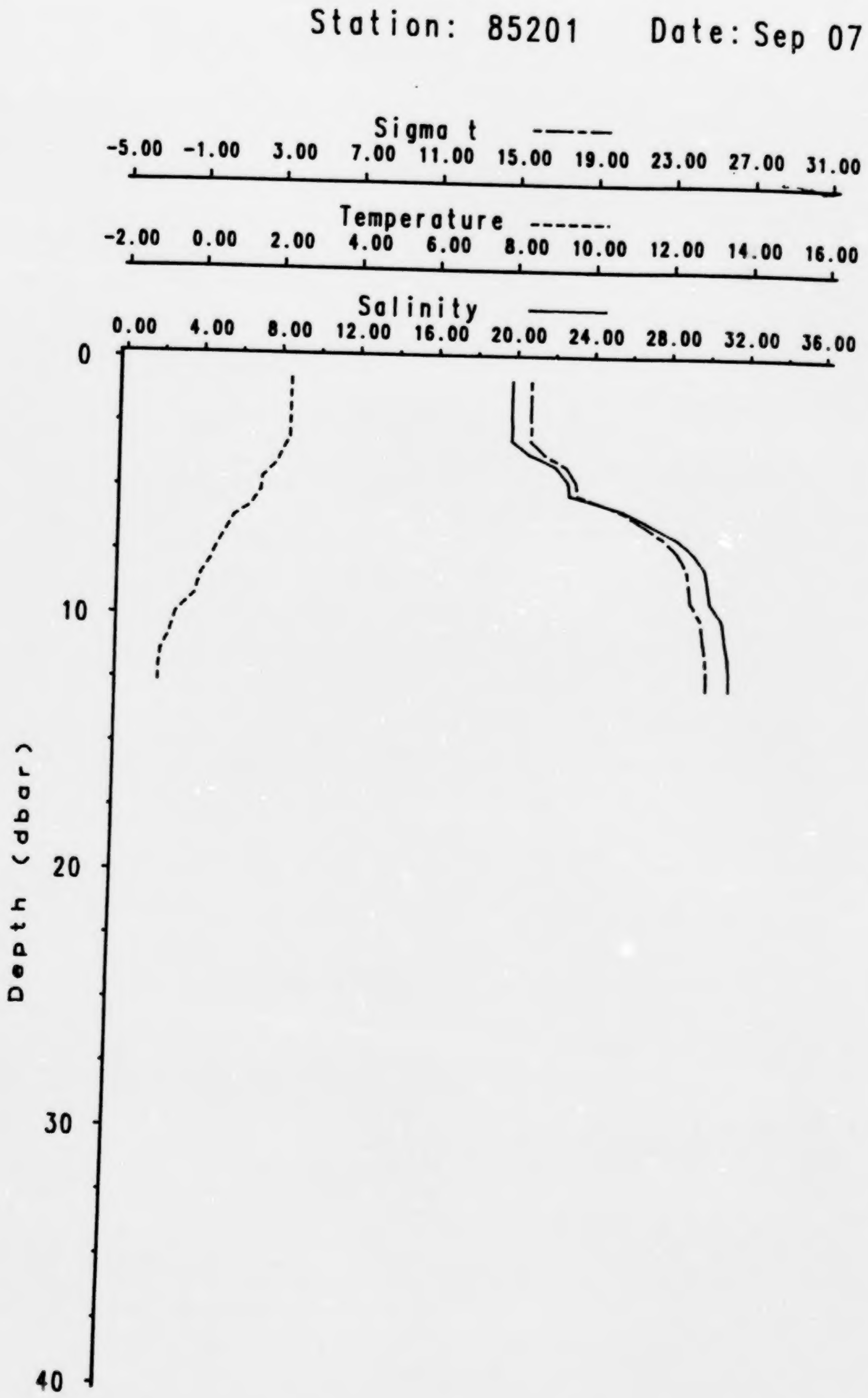
Station: 85201 Date: Sep 07
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.85. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85201, September 7, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
0.8	19.85	2.27	1015.84	4.7	22.84	1.58	1018.26	8.5	30.14	0.06	1024.18
1.5	19.85	2.26	1015.84	5.2	22.95	1.55	1018.35	9.3	30.30	-0.09	1024.32
2.1	19.85	2.27	1015.84	5.8	25.75	1.29	1020.60	10.0	30.95	-0.55	1024.86
2.6	19.92	2.26	1015.90	6.2	26.85	0.89	1021.50	10.9	31.13	-0.73	1025.01
3.1	19.86	2.27	1015.85	6.9	28.62	0.63	1022.93	11.5	31.29	-0.93	1025.15
3.6	20.75	2.10	1016.57	7.4	29.41	0.45	1023.58	12.1	31.37	-0.97	1025.21
4.1	22.20	1.95	1017.73	8.0	30.00	0.27	1024.06	12.7	31.38	-0.98	1025.22

Station: 85202 Date: Sep 07

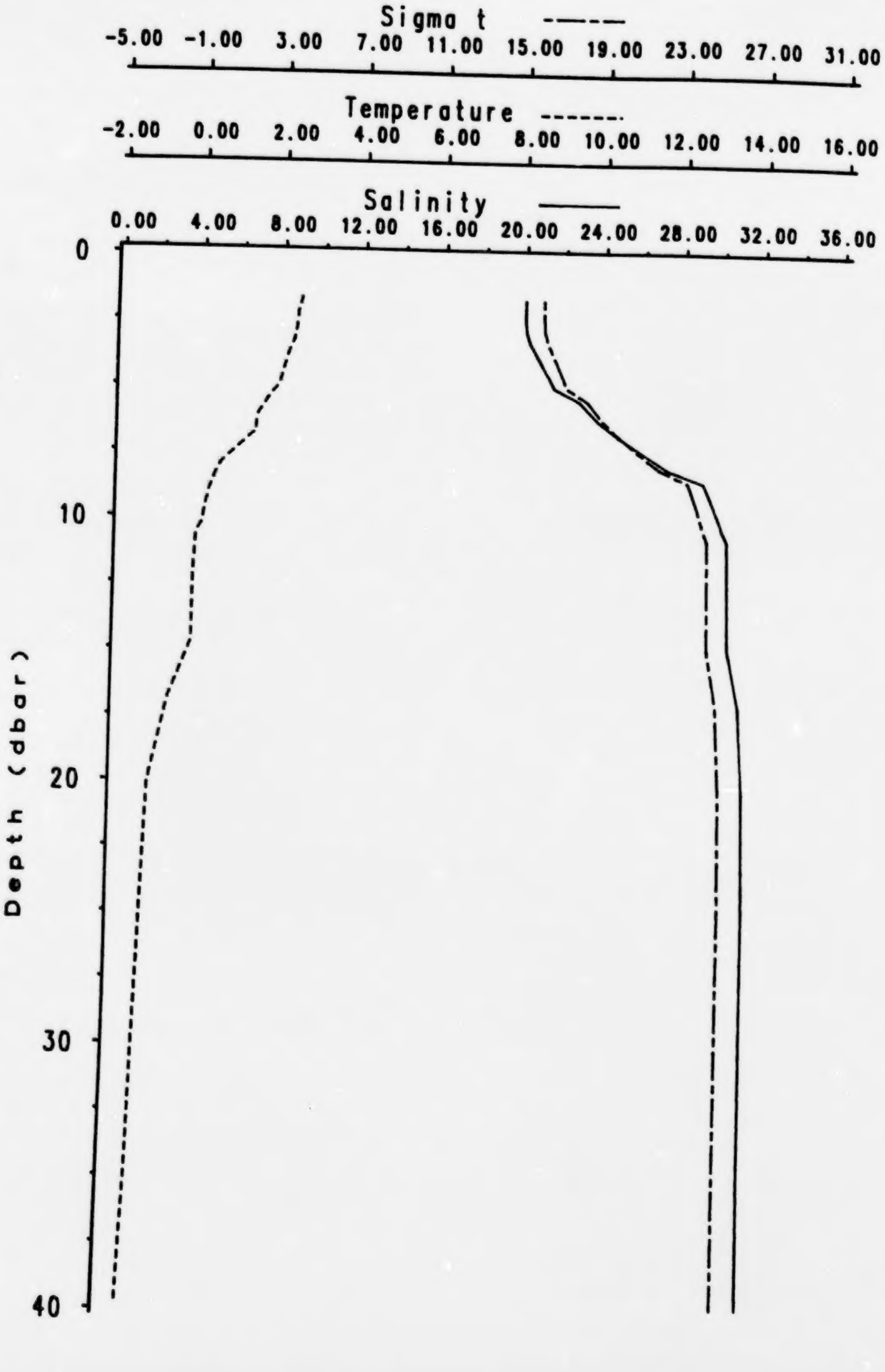

Table A1.86. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85202, September 7, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	20.05	2.46	1016.00	8.0	27.34	0.54	1021.91	17.0	31.25	-0.65	1025.10
2.3	20.06	2.37	1016.01	8.5	29.19	0.38	1023.40	20.2	31.54	-1.10	1025.35
2.9	20.14	2.34	1016.07	9.0	29.50	0.26	1023.66	20.6	31.55	-1.11	1025.36
3.3	20.32	2.29	1016.22	9.7	29.90	0.15	1023.99	24.7	31.68	-1.21	1025.47
3.8	20.70	2.16	1016.53	10.3	30.20	0.09	1024.23	30.0	31.76	-1.31	1025.54
5.0	21.60	1.95	1017.25	10.7	30.46	-0.06	1024.44	35.0	31.85	-1.36	1025.61
5.5	22.90	1.70	1018.30	11.5	30.50	-0.08	1024.48	39.8	31.96	-1.47	1025.70
6.2	23.80	1.41	1019.04	12.0	30.52	-0.10	1024.49				
6.8	24.85	1.38	1019.88	14.8	30.63	-0.10	1024.58				

Station: 85203 Date: Sep 07

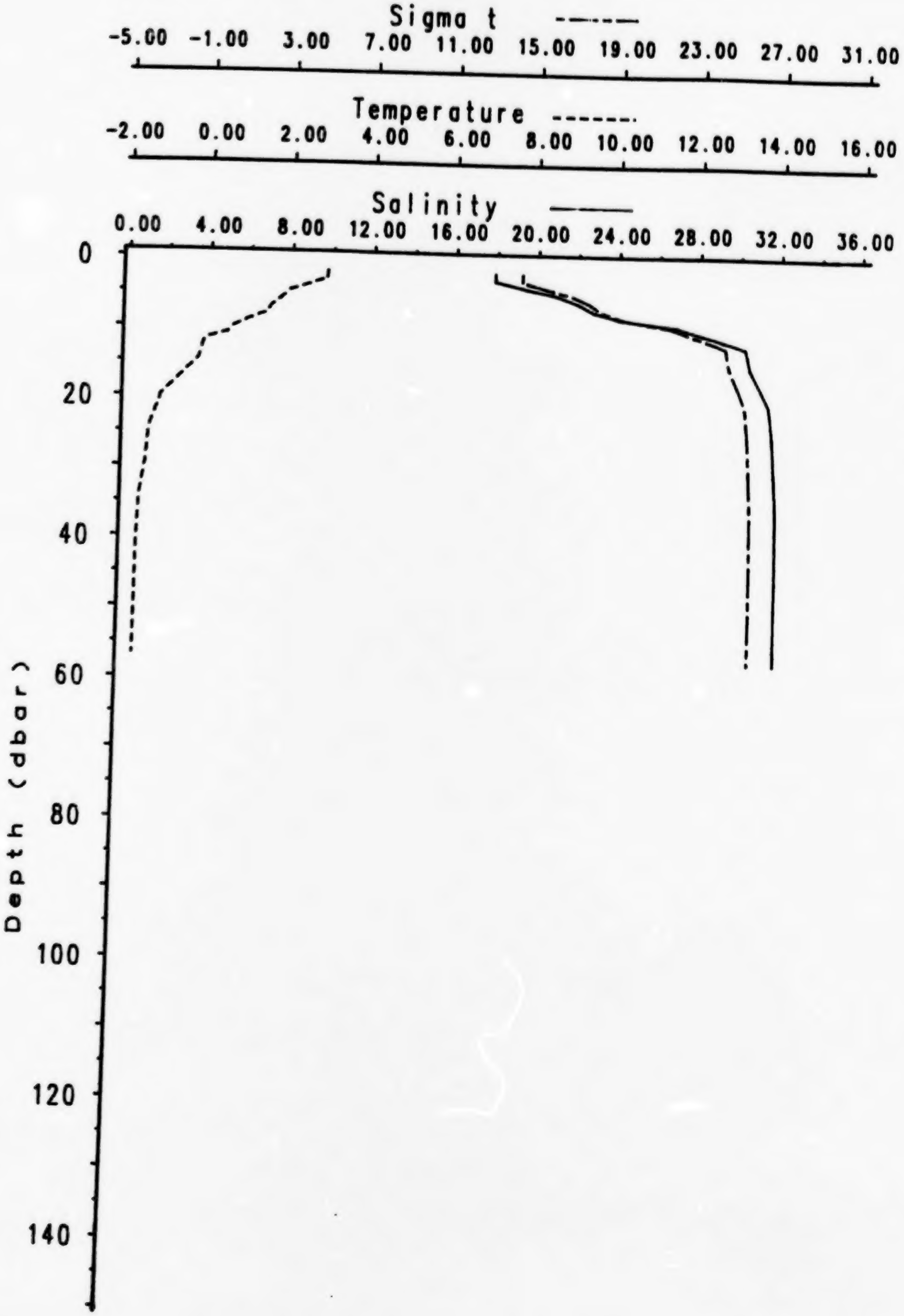

Table A1.87. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85203, September 7, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	17.98	2.89	1014.33	9.2	27.00	0.95	1021.62	30.0	31.90	-1.47	1025.65
3.1	17.99	2.87	1014.34	10.2	28.17	0.60	1022.57	34.9	32.01	-1.60	1025.75
4.1	19.50	2.38	1015.56	11.0	29.20	0.48	1023.41	40.2	32.05	-1.63	1025.78
4.9	20.95	1.97	1016.73	12.0	30.36	-0.08	1024.36	45.1	32.07	-1.64	1025.80
6.0	22.08	1.77	1017.64	14.8	30.58	-0.22	1024.55	55.0	32.08	-1.65	1025.80
7.1	22.78	1.54	1018.21	20.1	31.55	-1.12	1025.36	57.0	32.08	-1.65	1025.80
8.1	24.10	1.43	1019.27	24.9	31.77	-1.40	1025.55				

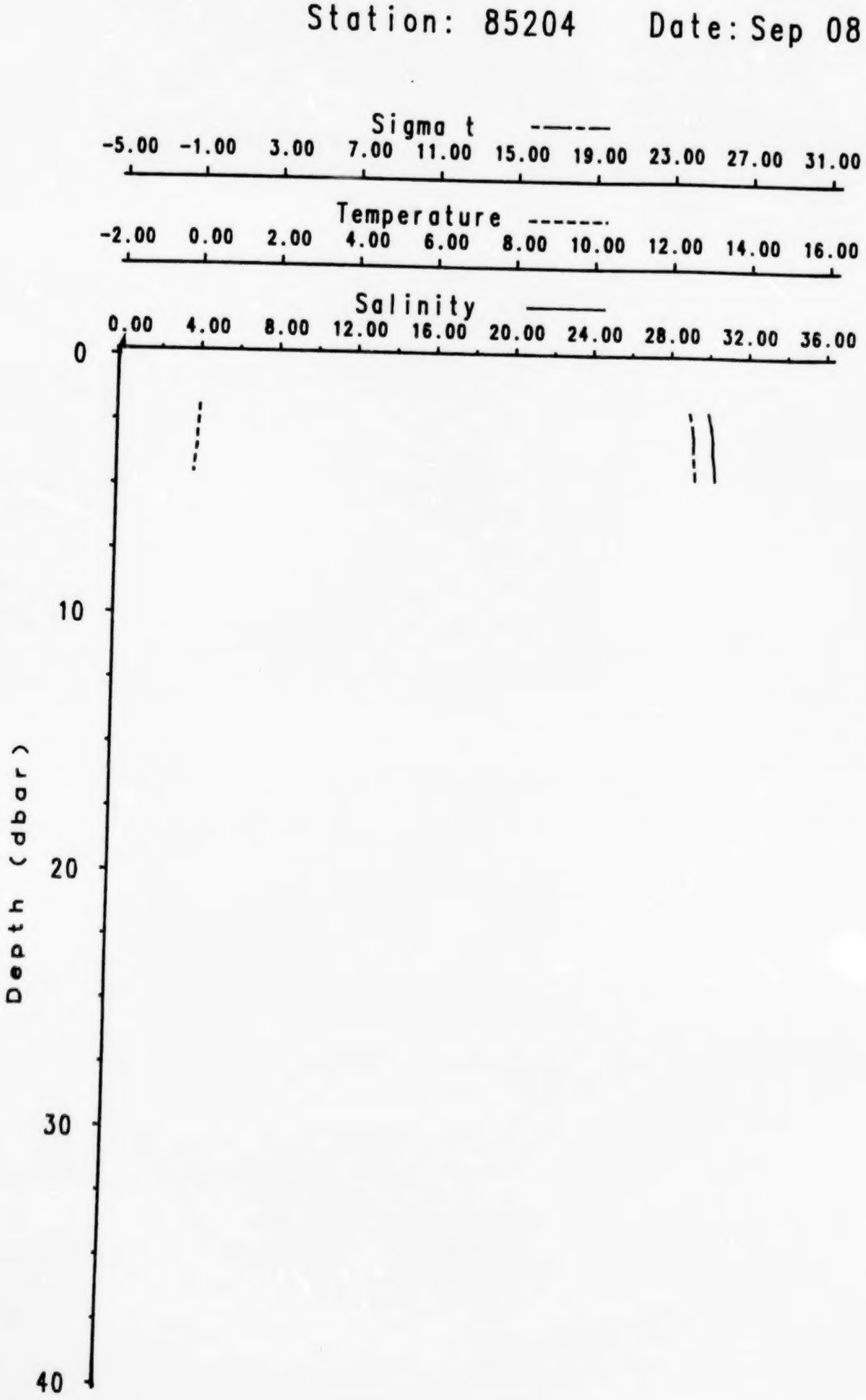
Station: 85204 Date: Sep 08
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
10
20
30
40

Table A1.88. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85204, September 8, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	30.05	0.03	1024.11	3.1	30.33	-0.02	1024.34	4.2	30.43	-0.08	1024.42
2.6	30.25	0.01	1024.27	3.6	30.32	-0.02	1024.33	4.6	30.48	-0.10	1024.46

Station: 85205 Date: Sep 08

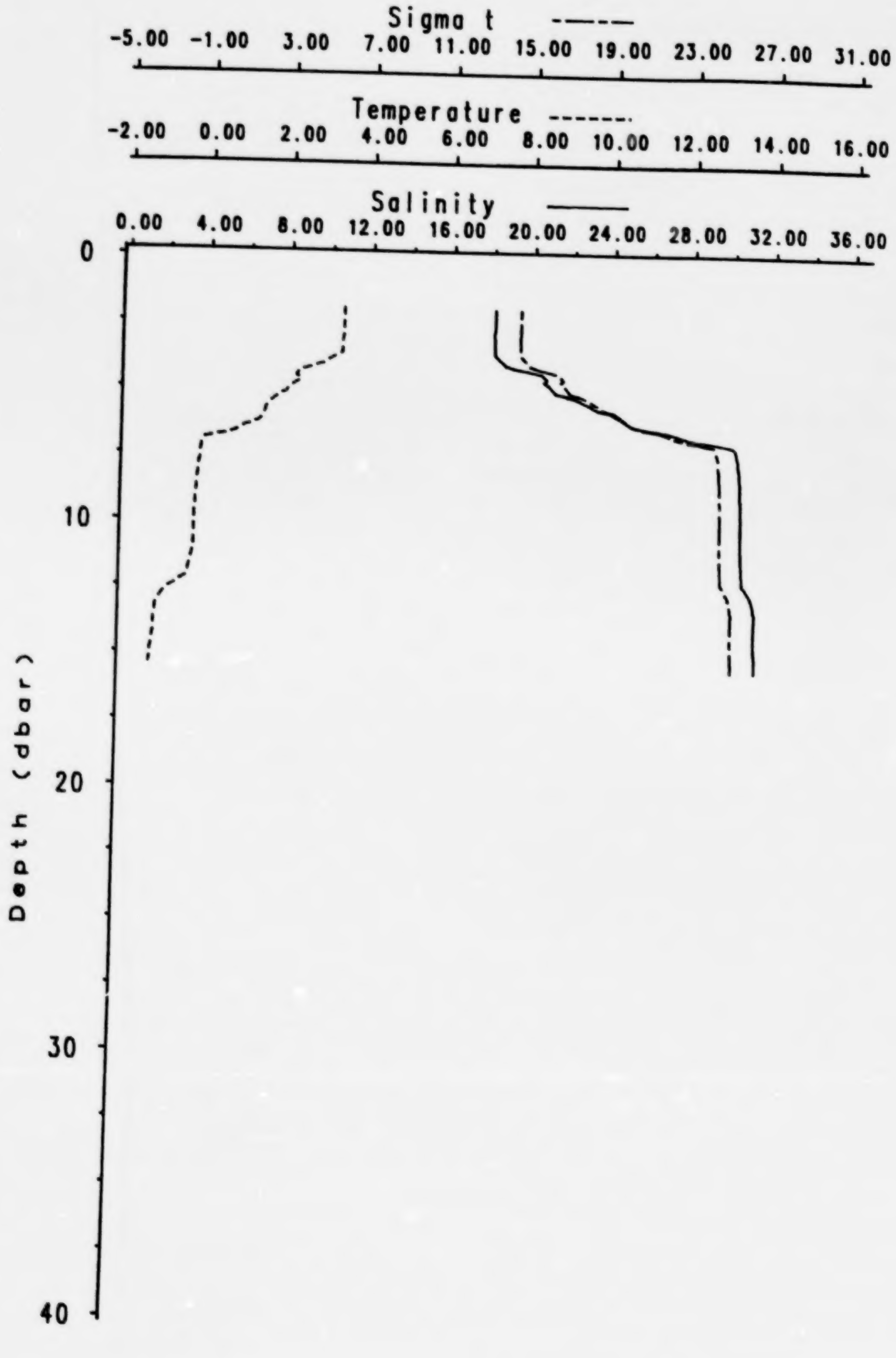

Table A1.89. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85205, September 8, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	18.17	3.34	1014.46	6.7	27.74	0.72	1022.22	10.9	30.65	-0.26	1024.61
2.1	18.17	3.34	1014.46	6.8	28.27	0.58	1022.66	11.0	30.68	-0.26	1024.63
2.2	18.17	3.34	1014.46	6.9	29.41	0.18	1023.59	11.1	30.68	-0.26	1024.63
2.4	18.17	3.34	1014.46	7.0	30.16	-0.07	1024.20	12.1	30.79	-0.41	1024.72
2.5	18.17	3.34	1014.46	7.1	30.30	-0.12	1024.32	12.2	30.79	-0.42	1024.72
2.7	18.17	3.34	1014.46	7.3	30.35	-0.12	1024.36	12.3	30.91	-0.53	1024.83
2.8	18.16	3.34	1014.45	7.4	30.39	-0.13	1024.39	12.5	31.07	-0.71	1024.96
3.0	18.13	3.34	1014.43	7.5	30.44	-0.14	1024.43	12.7	31.23	-0.92	1025.10
3.1	18.16	3.33	1014.45	7.7	30.44	-0.14	1024.43	12.9	31.32	-1.02	1025.17
3.3	18.18	3.30	1014.47	7.8	30.48	-0.15	1024.46	13.1	31.38	-1.11	1025.22
3.5	18.19	3.31	1014.48	7.9	30.50	-0.17	1024.48	13.2	31.38	-1.13	1025.22
3.6	18.18	3.32	1014.47	8.0	30.52	-0.18	1024.50	13.3	31.45	-1.18	1025.28
3.7	18.18	3.31	1014.47	8.1	30.53	-0.19	1024.51	13.4	31.43	-1.18	1025.27
3.8	18.30	3.18	1014.57	8.3	30.55	-0.19	1024.52	13.6	31.44	-1.19	1025.27
4.1	18.73	2.85	1014.93	8.4	30.57	-0.20	1024.54	13.7	31.44	-1.20	1025.27
4.2	19.14	2.68	1015.26	8.6	30.59	-0.22	1024.56	13.8	31.44	-1.21	1025.27
4.4	20.54	2.25	1016.40	8.9	30.59	-0.22	1024.56	13.9	31.44	-1.21	1025.27
4.6	20.80	2.19	1016.61	9.0	30.60	-0.23	1024.56	14.1	31.44	-1.21	1025.27
4.7	20.66	2.31	1016.49	9.1	30.61	-0.23	1024.57	14.3	31.44	-1.21	1025.27
4.8	20.87	2.24	1016.66	9.2	30.63	-0.24	1024.59	14.4	31.44	-1.22	1025.27
5.1	21.24	1.98	1016.97	9.4	30.63	-0.24	1024.59	14.6	31.45	-1.24	1025.28
5.2	21.83	1.95	1017.44	9.5	30.64	-0.24	1024.60	14.7	31.46	-1.25	1025.29
5.3	22.29	1.78	1017.81	9.6	30.65	-0.24	1024.60	14.8	31.46	-1.25	1025.29
5.6	23.10	1.56	1018.47	9.7	30.66	-0.26	1024.61	14.9	31.48	-1.26	1025.31
5.7	23.37	1.50	1018.69	10.0	30.65	-0.25	1024.61	15.0	31.50	-1.28	1025.32
5.8	24.02	1.45	1019.21	10.1	30.65	-0.26	1024.61	15.2	31.51	-1.28	1025.33
5.9	24.24	1.45	1019.39	10.2	30.65	-0.26	1024.61	15.3	31.50	-1.28	1025.32
6.2	24.91	1.35	1019.93	10.3	30.66	-0.26	1024.61	15.4	31.51	-1.29	1025.33
6.3	25.16	1.29	1020.13	10.5	30.66	-0.26	1024.61	15.5	31.49	-1.30	1025.32
6.4	25.88	1.15	1020.71	10.6	30.67	-0.26	1024.62				
6.5	26.89	0.94	1021.53	10.7	30.66	-0.26	1024.61				

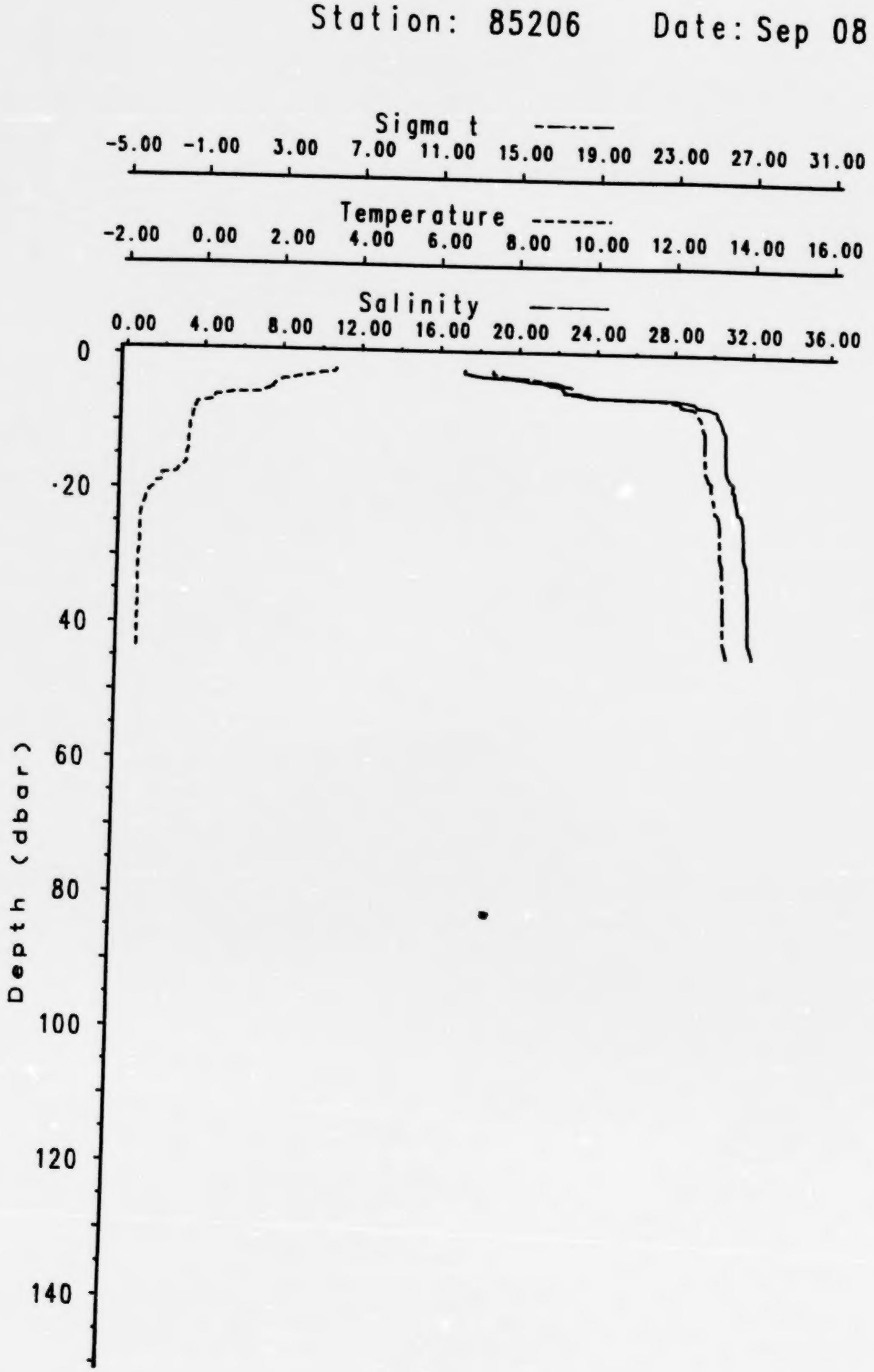
Station: 85206 Date: Sep 08
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
Depth (dbar)
0
20
40
60
80
100
120
140

Table A1.90. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85206, September 8, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	17.32	3.39	1013.78	9.6	30.59	-0.24	1024.56	17.9	31.08	-0.67	1024.97
2.1	17.32	3.39	1013.78	9.7	30.60	-0.23	1024.56	18.0	31.17	-0.83	1025.05
2.2	17.32	3.38	1013.78	9.9	30.61	-0.24	1024.57	18.1	31.22	-0.98	1025.09
2.4	17.32	3.37	1013.78	10.1	30.63	-0.26	1024.59	18.2	31.20	-0.97	1025.07
2.5	17.34	3.34	1013.80	10.3	30.65	-0.28	1024.61	18.4	31.24	-0.97	1025.11
2.6	17.55	3.18	1013.98	10.5	30.74	-0.30	1024.68	18.5	31.17	-0.99	1025.05
2.7	17.70	3.02	1014.10	10.6	30.74	-0.30	1024.68	18.6	31.19	-1.00	1025.07
2.8	17.90	2.94	1014.26	10.7	30.75	-0.30	1024.69	18.9	31.19	-1.00	1025.07
3.0	18.29	2.84	1014.58	10.9	30.74	-0.30	1024.68	19.0	31.20	-1.00	1025.07
3.1	19.00	2.70	1015.15	11.0	30.77	-0.30	1024.70	19.2	31.17	-1.01	1025.05
3.2	19.85	2.52	1015.83	11.4	30.75	-0.29	1024.69	19.3	31.26	-1.12	1025.13
3.6	20.74	2.28	1016.55	11.7	30.78	-0.32	1024.71	19.6	31.30	-1.19	1025.16
3.7	21.39	2.06	1017.08	12.1	30.77	-0.32	1024.70	19.7	31.30	-1.20	1025.16
3.8	21.46	2.04	1017.14	12.2	30.77	-0.32	1024.70	19.9	31.30	-1.20	1025.16
3.9	21.70	1.97	1017.33	12.3	30.78	-0.33	1024.71	20.0	31.29	-1.21	1025.15
4.1	21.71	1.94	1017.34	12.6	30.77	-0.32	1024.70	20.1	31.30	-1.20	1025.16
4.2	22.21	1.89	1017.74	12.7	30.78	-0.33	1024.71	20.2	31.30	-1.22	1025.16
4.4	22.31	1.84	1017.83	12.9	30.77	-0.32	1024.70	20.5	31.35	-1.28	1025.20
4.7	22.37	1.81	1017.88	13.1	30.79	-0.32	1024.72	20.6	31.38	-1.31	1025.23
4.8	22.42	1.79	1017.92	13.3	30.77	-0.32	1024.70	20.7	31.36	-1.30	1025.21
4.9	22.46	1.76	1017.95	13.4	30.78	-0.33	1024.71	20.8	31.38	-1.31	1025.23
5.1	22.44	1.83	1017.93	13.6	30.78	-0.33	1024.71	21.0	31.37	-1.32	1025.22
5.2	22.93	1.66	1018.33	13.7	30.78	-0.32	1024.71	21.1	31.40	-1.35	1025.25
5.3	22.82	1.68	1018.24	13.8	30.76	-0.32	1024.70	21.3	31.41	-1.36	1025.25
5.4	23.24	1.60	1018.58	14.1	30.80	-0.33	1024.73	21.5	31.42	-1.37	1025.26
5.6	23.69	1.56	1018.94	14.3	30.79	-0.33	1024.72	21.6	31.43	-1.39	1025.27
5.7	23.64	1.52	1018.90	14.6	30.79	-0.34	1024.72	21.7	31.43	-1.39	1025.27
5.8	24.98	1.29	1019.99	14.8	30.81	-0.36	1024.74	21.8	31.44	-1.39	1025.28
5.9	28.02	0.75	1022.45	14.9	30.81	-0.36	1024.74	21.9	31.44	-1.39	1025.28
6.2	28.85	0.53	1023.12	15.0	30.80	-0.35	1024.73	22.2	31.46	-1.40	1025.30
6.3	29.07	0.34	1023.31	15.2	30.81	-0.36	1024.74	22.4	31.46	-1.41	1025.30
6.4	29.12	0.33	1023.35	15.3	30.81	-0.36	1024.74	22.6	31.50	-1.44	1025.33
6.7	29.24	0.30	1023.45	15.4	30.82	-0.36	1024.75	22.7	31.61	-1.47	1025.42
6.8	29.19	0.31	1023.41	15.7	30.83	-0.36	1024.75	22.8	31.64	-1.48	1025.44
6.9	29.35	0.32	1023.54	15.8	30.83	-0.37	1024.76	22.9	31.66	-1.48	1025.46
7.1	29.90	0.20	1023.98	16.0	30.82	-0.37	1024.75	23.1	31.68	-1.48	1025.48
7.3	30.08	0.03	1024.13	16.1	30.82	-0.38	1024.75	23.2	31.71	-1.48	1025.50
7.4	30.27	-0.13	1024.29	16.3	30.81	-0.36	1024.74	23.4	31.72	-1.48	1025.51
7.8	30.29	-0.14	1024.31	16.5	30.85	-0.40	1024.77	24.4	31.80	-1.51	1025.57
7.9	30.33	-0.15	1024.34	16.7	30.85	-0.40	1024.77	24.5	31.79	-1.51	1025.57
8.0	30.30	-0.17	1024.32	16.8	30.88	-0.45	1024.80	24.7	31.78	-1.51	1025.56
8.1	30.31	-0.17	1024.33	16.9	30.87	-0.44	1024.79	24.8	31.79	-1.51	1025.57
8.3	30.35	-0.12	1024.36	17.0	30.90	-0.48	1024.82	24.9	31.79	-1.51	1025.57
8.5	30.43	-0.17	1024.42	17.3	30.96	-0.55	1024.87	25.1	31.80	-1.51	1025.57
8.6	30.45	-0.20	1024.44	17.4	30.98	-0.57	1024.88	25.4	31.80	-1.51	1025.57
9.5	30.58	-0.24	1024.55	17.8	31.04	-0.60	1024.93	25.6	31.81	-1.51	1025.58

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Table A1.90. Station 85206 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
25.8	31.80	-1.51	1025.57	31.8	32.03	-1.54	1025.76	38.2	32.12	-1.53	1025.83
25.9	31.81	-1.51	1025.58	31.9	32.03	-1.54	1025.76	38.5	32.14	-1.53	1025.85
26.0	31.81	-1.51	1025.58	32.2	32.03	-1.54	1025.76	38.7	32.13	-1.54	1025.84
26.1	31.80	-1.51	1025.57	32.3	32.03	-1.54	1025.76	39.0	32.14	-1.53	1025.85
26.3	31.82	-1.51	1025.59	32.6	32.04	-1.54	1025.77	39.1	32.13	-1.53	1025.84
26.4	31.83	-1.51	1025.60	32.7	32.04	-1.54	1025.77	39.2	32.14	-1.54	1025.85
26.5	31.83	-1.51	1025.60	32.8	32.05	-1.54	1025.78	39.3	32.13	-1.54	1025.84
27.4	31.82	-1.51	1025.59	33.2	32.03	-1.54	1025.76	39.6	32.13	-1.54	1025.84
27.5	31.84	-1.51	1025.61	33.3	32.04	-1.54	1025.77	39.7	32.14	-1.53	1025.85
27.6	31.84	-1.51	1025.61	33.4	32.05	-1.54	1025.78	39.8	32.13	-1.53	1025.84
27.7	31.83	-1.51	1025.60	33.5	32.04	-1.54	1025.77	40.2	32.15	-1.54	1025.86
27.9	31.83	-1.51	1025.60	33.7	32.05	-1.54	1025.78	40.4	32.14	-1.53	1025.85
28.1	31.84	-1.51	1025.61	34.0	32.06	-1.53	1025.78	40.6	32.13	-1.53	1025.84
28.2	31.84	-1.51	1025.61	34.3	32.09	-1.53	1025.81	40.7	32.14	-1.53	1025.85
28.5	31.85	-1.51	1025.61	34.4	32.08	-1.53	1025.80	40.9	32.15	-1.53	1025.86
28.6	31.84	-1.51	1025.61	34.5	32.09	-1.53	1025.81	41.1	32.15	-1.54	1025.86
28.7	31.84	-1.52	1025.61	34.6	32.08	-1.53	1025.80	41.3	32.14	-1.54	1025.85
29.0	31.86	-1.52	1025.62	34.8	32.10	-1.53	1025.82	41.4	32.15	-1.54	1025.86
29.2	31.85	-1.51	1025.61	34.9	32.10	-1.53	1025.82	41.7	32.15	-1.53	1025.86
29.4	31.87	-1.52	1025.63	35.1	32.09	-1.53	1025.81	41.8	32.16	-1.54	1025.87
29.5	31.88	-1.53	1025.64	36.1	32.10	-1.53	1025.82	42.2	32.19	-1.53	1025.89
29.7	31.91	-1.53	1025.66	36.2	32.09	-1.53	1025.81	42.3	32.22	-1.54	1025.92
29.8	31.93	-1.54	1025.68	36.4	32.10	-1.53	1025.82	42.4	32.23	-1.53	1025.92
30.0	31.91	-1.54	1025.66	36.5	32.10	-1.53	1025.82	42.5	32.23	-1.53	1025.92
30.1	31.98	-1.54	1025.72	36.6	32.12	-1.53	1025.83	42.7	32.27	-1.53	1025.96
30.3	31.98	-1.54	1025.72	36.9	32.10	-1.53	1025.82	42.9	32.27	-1.53	1025.96
30.5	32.00	-1.54	1025.74	37.0	32.12	-1.53	1025.83	43.0	32.29	-1.53	1025.97
30.6	31.99	-1.54	1025.73	37.1	32.10	-1.53	1025.82	43.3	32.33	-1.53	1026.00
30.7	32.00	-1.54	1025.74	37.5	32.10	-1.53	1025.82	43.4	32.34	-1.53	1026.01
30.8	32.00	-1.54	1025.74	37.6	32.12	-1.53	1025.83	43.6	32.38	-1.53	1026.04
31.2	32.01	-1.54	1025.74	37.7	32.12	-1.54	1025.83	43.8	32.38	-1.53	1026.04
31.4	32.02	-1.54	1025.75	37.8	32.12	-1.53	1025.83	43.9	32.39	-1.53	1026.05
31.6	32.01	-1.54	1025.74	38.0	32.12	-1.53	1025.83	44.0	32.36	-1.52	1026.03
31.7	32.02	-1.54	1025.75	38.1	32.11	-1.53	1025.83				

Station: 85207 Date: Sep 09

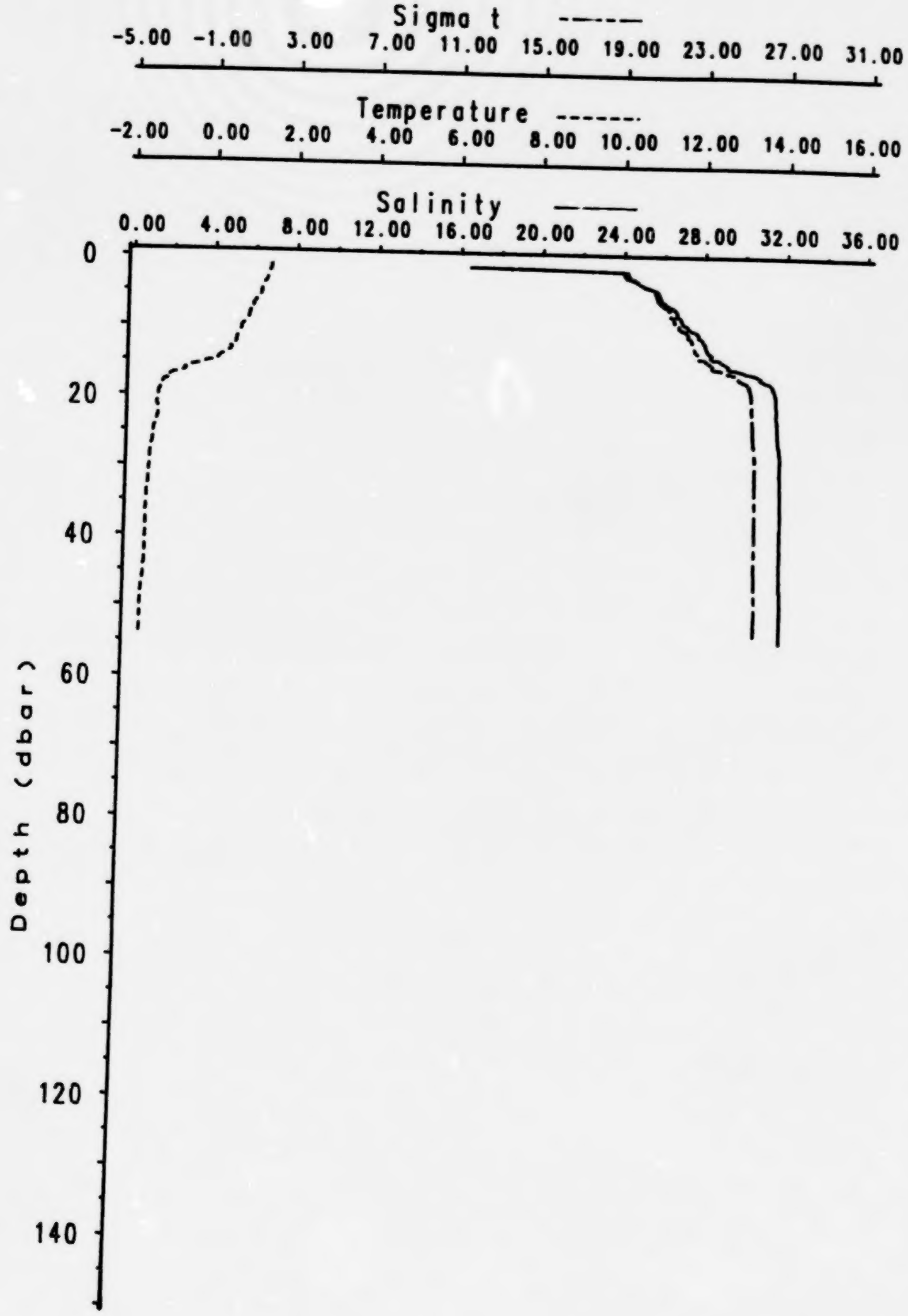

Table A1.91. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85207, September 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.3	16.55	1.40	1013.23	8.8	26.99	0.88	1021.61	16.4	30.87	-0.68	1024.80
1.6	24.06	1.39	1019.24	9.0	27.11	0.86	1021.71	16.5	30.80	-0.64	1024.74
1.7	24.06	1.39	1019.24	9.1	27.22	0.83	1021.80	16.7	30.86	-0.68	1024.79
1.9	24.07	1.39	1019.25	9.2	27.23	0.83	1021.81	16.8	31.00	-0.74	1024.90
2.0	24.09	1.38	1019.27	9.4	27.21	0.83	1021.79	16.9	31.04	-0.77	1024.94
2.1	24.11	1.37	1019.29	9.5	27.30	0.82	1021.87	17.0	31.14	-0.84	1025.02
2.2	24.15	1.36	1019.32	9.7	27.40	0.79	1021.95	17.1	31.30	-0.96	1025.15
2.4	24.20	1.35	1019.36	9.9	27.60	0.73	1022.11	17.5	31.41	-1.05	1025.25
2.5	24.25	1.34	1019.40	10.1	27.71	0.70	1022.20	17.6	31.47	-1.13	1025.30
2.6	24.48	1.33	1019.58	10.3	27.77	0.69	1022.25	17.8	31.46	-1.11	1025.29
3.6	25.07	1.29	1020.06	10.5	27.76	0.69	1022.24	17.9	31.43	-1.09	1025.26
3.7	25.16	1.29	1020.13	10.6	27.76	0.68	1022.24	18.0	31.47	-1.11	1025.30
3.8	25.33	1.27	1020.27	10.7	27.77	0.68	1022.25	18.1	31.53	-1.17	1025.35
4.1	25.62	1.20	1020.50	10.9	27.91	0.64	1022.36	18.2	31.52	-1.17	1025.34
4.2	25.70	1.18	1020.57	11.0	27.95	0.63	1022.40	18.5	31.56	-1.22	1025.37
4.3	25.73	1.18	1020.59	11.1	27.97	0.63	1022.41	18.7	31.58	-1.24	1025.39
4.4	25.75	1.18	1020.61	11.4	28.01	0.61	1022.45	18.9	31.59	-1.24	1025.40
4.6	25.79	1.17	1020.64	11.6	28.08	0.60	1022.50	19.0	31.58	-1.22	1025.39
4.7	25.80	1.17	1020.65	11.7	28.11	0.59	1022.53	19.2	31.61	-1.26	1025.41
4.8	25.82	1.17	1020.66	11.8	28.11	0.59	1022.53	19.3	31.62	-1.27	1025.42
4.9	25.86	1.17	1020.70	12.0	28.12	0.58	1022.53	19.5	31.61	-1.28	1025.41
5.1	25.88	1.16	1020.71	12.1	28.11	0.57	1022.53	19.6	31.62	-1.29	1025.42
5.2	25.89	1.17	1020.72	12.2	28.15	0.57	1022.56	19.7	31.62	-1.30	1025.42
5.4	25.92	1.16	1020.74	12.5	28.17	0.57	1022.58	19.9	31.62	-1.30	1025.42
5.7	25.95	1.15	1020.77	12.7	28.21	0.55	1022.61	20.0	31.62	-1.30	1025.42
5.8	26.06	1.14	1020.86	12.9	28.28	0.51	1022.67	20.1	31.63	-1.30	1025.43
5.9	26.09	1.12	1020.88	13.2	28.44	0.43	1022.80	20.4	31.62	-1.30	1025.42
6.0	26.11	1.11	1020.90	13.3	28.37	0.47	1022.74	20.5	31.63	-1.30	1025.43
6.2	26.24	1.09	1021.00	13.6	28.37	0.45	1022.74	20.6	31.66	-1.31	1025.46
6.3	26.27	1.07	1021.03	13.7	28.42	0.43	1022.78	20.7	31.64	-1.33	1025.44
6.4	26.36	1.05	1021.10	13.8	28.49	0.38	1022.84	21.0	31.64	-1.33	1025.44
6.5	26.48	1.02	1021.20	13.9	28.78	0.30	1023.08	21.2	31.65	-1.33	1025.45
6.7	26.56	1.02	1021.26	14.2	28.91	0.28	1023.18	21.3	31.66	-1.34	1025.46
6.8	26.62	1.00	1021.31	14.4	29.06	0.22	1023.31	21.5	31.66	-1.34	1025.46
6.9	26.64	0.99	1021.33	14.7	29.22	0.16	1023.44	21.6	31.64	-1.33	1025.44
7.1	26.70	0.97	1021.38	14.8	29.25	0.14	1023.46	21.8	31.65	-1.31	1025.45
7.3	26.71	0.98	1021.39	14.9	29.25	0.14	1023.46	21.9	31.62	-1.30	1025.42
7.4	26.71	0.98	1021.39	15.0	29.22	0.12	1023.44	22.1	31.65	-1.31	1025.45
7.5	26.71	0.98	1021.39	15.2	29.33	0.03	1023.53	22.2	31.64	-1.30	1025.44
7.7	26.67	0.98	1021.35	15.3	29.67	-0.10	1023.81	22.3	31.68	-1.30	1025.47
7.8	26.76	0.96	1021.43	15.5	29.95	-0.22	1024.04	22.4	31.68	-1.30	1025.47
7.9	26.83	0.93	1021.48	15.7	30.10	-0.28	1024.16	22.6	31.70	-1.31	1025.49
8.0	26.88	0.90	1021.53	15.8	30.33	-0.39	1024.35	22.7	31.69	-1.30	1025.48
8.3	26.92	0.89	1021.56	15.9	30.46	-0.46	1024.46	22.8	31.69	-1.30	1025.48
8.5	26.94	0.89	1021.57	16.0	30.63	-0.55	1024.60	22.9	31.70	-1.30	1025.49
8.6	26.96	0.87	1021.59	16.3	30.80	-0.64	1024.74	23.1	31.70	-1.30	1025.49

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Table A1.91. Station 85207 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
23.2	31.70	-1.30	1025.49	29.4	31.89	-1.48	1025.65	36.1	31.95	-1.55	1025.70
23.3	31.71	-1.31	1025.50	29.6	31.89	-1.49	1025.65	36.2	31.95	-1.55	1025.70
23.4	31.71	-1.32	1025.50	29.7	31.89	-1.49	1025.65	36.4	31.95	-1.55	1025.70
23.6	31.72	-1.33	1025.50	29.8	31.89	-1.49	1025.65	36.5	31.95	-1.55	1025.70
23.7	31.72	-1.33	1025.50	30.1	31.89	-1.49	1025.65	36.6	31.96	-1.56	1025.70
23.8	31.72	-1.33	1025.50	30.2	31.89	-1.49	1025.65	36.9	31.96	-1.55	1025.70
23.9	31.72	-1.34	1025.50	30.3	31.89	-1.48	1025.65	37.1	31.95	-1.55	1025.70
24.0	31.72	-1.34	1025.50	30.5	31.90	-1.50	1025.65	37.2	31.95	-1.55	1025.70
24.2	31.73	-1.34	1025.51	30.7	31.90	-1.50	1025.65	37.5	31.95	-1.55	1025.70
24.3	31.73	-1.36	1025.51	30.9	31.90	-1.50	1025.65	37.6	31.95	-1.55	1025.70
24.4	31.73	-1.37	1025.51	31.1	31.89	-1.50	1025.65	37.7	31.96	-1.55	1025.70
24.5	31.73	-1.37	1025.51	31.2	31.89	-1.50	1025.65	38.0	31.95	-1.55	1025.70
24.7	31.73	-1.39	1025.51	31.3	31.92	-1.51	1025.67	38.1	31.96	-1.55	1025.70
24.8	31.74	-1.41	1025.52	31.4	31.91	-1.50	1025.66	38.2	31.95	-1.55	1025.70
24.9	31.74	-1.40	1025.52	31.6	31.91	-1.51	1025.66	38.5	31.95	-1.55	1025.70
25.1	31.75	-1.40	1025.53	31.7	31.90	-1.51	1025.65	38.6	31.95	-1.55	1025.70
25.3	31.75	-1.41	1025.53	31.8	31.90	-1.50	1025.65	38.7	31.95	-1.55	1025.70
25.5	31.76	-1.40	1025.54	31.9	31.91	-1.51	1025.66	39.0	31.97	-1.55	1025.71
25.6	31.75	-1.38	1025.53	32.1	31.90	-1.51	1025.65	39.2	31.97	-1.55	1025.71
25.8	31.77	-1.39	1025.55	32.2	31.91	-1.51	1025.66	39.3	31.97	-1.55	1025.71
25.9	31.78	-1.39	1025.55	32.3	31.92	-1.51	1025.67	39.5	31.97	-1.55	1025.71
26.0	31.78	-1.39	1025.55	32.4	31.92	-1.51	1025.67	39.7	31.96	-1.55	1025.70
26.1	31.78	-1.40	1025.55	32.7	31.91	-1.51	1025.66	39.8	31.96	-1.55	1025.70
26.3	31.81	-1.42	1025.58	32.8	31.92	-1.52	1025.67	39.9	31.96	-1.55	1025.70
26.4	31.83	-1.42	1025.60	33.0	31.92	-1.52	1025.67	40.1	31.96	-1.55	1025.70
26.5	31.83	-1.43	1025.60	33.2	31.92	-1.52	1025.67	40.4	31.97	-1.56	1025.71
26.6	31.83	-1.43	1025.60	33.4	31.93	-1.53	1025.68	40.6	31.97	-1.56	1025.71
26.8	31.84	-1.43	1025.60	33.5	31.94	-1.54	1025.69	40.8	31.97	-1.56	1025.71
26.9	31.84	-1.43	1025.60	33.7	31.94	-1.54	1025.69	41.1	31.98	-1.56	1025.72
27.0	31.85	-1.44	1025.61	33.8	31.94	-1.54	1025.69	41.2	31.98	-1.57	1025.72
27.1	31.86	-1.44	1025.62	33.9	31.94	-1.54	1025.69	41.3	31.97	-1.56	1025.71
27.2	31.86	-1.45	1025.62	34.0	31.94	-1.54	1025.69	41.4	31.97	-1.56	1025.71
27.4	31.86	-1.46	1025.62	34.3	31.94	-1.54	1025.69	41.6	31.98	-1.56	1025.72
27.5	31.87	-1.46	1025.63	34.4	31.94	-1.54	1025.69	41.8	31.97	-1.56	1025.71
27.6	31.88	-1.46	1025.64	34.5	31.94	-1.54	1025.69	41.9	31.97	-1.56	1025.71
27.7	31.87	-1.47	1025.63	34.6	31.94	-1.54	1025.69	42.0	31.98	-1.56	1025.72
27.9	31.87	-1.47	1025.63	34.8	31.94	-1.54	1025.69	42.2	31.96	-1.56	1025.70
28.0	31.90	-1.48	1025.65	34.9	31.95	-1.55	1025.70	42.3	31.97	-1.56	1025.71
28.1	31.88	-1.47	1025.64	35.1	31.94	-1.54	1025.69	42.4	31.97	-1.56	1025.71
28.2	31.89	-1.48	1025.65	35.3	31.94	-1.54	1025.69	42.5	31.97	-1.56	1025.71
28.3	31.89	-1.48	1025.65	35.4	31.95	-1.55	1025.70	42.7	31.97	-1.56	1025.71
28.5	31.89	-1.48	1025.65	35.5	31.96	-1.55	1025.70	42.8	31.97	-1.56	1025.71
28.6	31.89	-1.48	1025.65	35.6	31.96	-1.55	1025.70	43.3	31.97	-1.56	1025.71
28.7	31.88	-1.48	1025.64	35.8	31.96	-1.55	1025.70	43.4	31.98	-1.57	1025.72
28.9	31.89	-1.47	1025.65	35.9	31.96	-1.55	1025.70	43.5	31.98	-1.56	1025.72
29.0	31.89	-1.48	1025.65	36.0	31.95	-1.55	1025.70	43.6	31.98	-1.56	1025.72

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Table A1.91. Station 85207 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
43.8	31.98	-1.56	1025.72	47.6	32.04	-1.62	1025.77	50.9	32.05	-1.64	1025.78
43.9	31.96	-1.56	1025.70	47.7	32.04	-1.62	1025.77	51.0	32.06	-1.64	1025.79
44.0	31.96	-1.56	1025.70	47.8	32.04	-1.62	1025.77	51.2	32.05	-1.64	1025.78
44.1	31.98	-1.56	1025.72	48.0	32.04	-1.62	1025.77	51.3	32.05	-1.63	1025.78
44.3	31.98	-1.57	1025.72	48.1	32.04	-1.63	1025.77	51.4	32.06	-1.64	1025.79
44.5	31.99	-1.58	1025.73	48.2	32.04	-1.63	1025.77	51.5	32.06	-1.64	1025.79
44.8	32.00	-1.59	1025.74	48.3	32.06	-1.63	1025.79	51.7	32.05	-1.63	1025.78
44.9	31.99	-1.58	1025.73	48.5	32.06	-1.63	1025.79	51.8	32.06	-1.64	1025.79
45.0	32.00	-1.58	1025.74	48.6	32.06	-1.63	1025.79	51.9	32.04	-1.63	1025.77
45.1	31.98	-1.58	1025.72	48.7	32.06	-1.63	1025.79	52.0	32.06	-1.64	1025.79
45.2	32.00	-1.58	1025.74	48.8	32.06	-1.64	1025.79	52.3	32.06	-1.64	1025.79
45.4	31.99	-1.58	1025.73	48.9	32.06	-1.63	1025.79	52.4	32.05	-1.64	1025.78
45.5	31.99	-1.58	1025.73	49.1	32.05	-1.63	1025.78	52.5	32.05	-1.63	1025.78
45.6	32.00	-1.58	1025.74	49.2	32.06	-1.63	1025.79	52.6	32.06	-1.64	1025.79
45.7	32.00	-1.58	1025.74	49.3	32.06	-1.64	1025.79	52.8	32.06	-1.64	1025.79
45.9	32.00	-1.58	1025.74	49.4	32.06	-1.64	1025.79	52.9	32.05	-1.64	1025.78
46.0	32.00	-1.59	1025.74	49.6	32.06	-1.64	1025.79	53.0	32.05	-1.63	1025.78
46.1	32.00	-1.59	1025.74	49.7	32.06	-1.63	1025.79	53.1	32.04	-1.63	1025.77
46.2	32.00	-1.59	1025.74	49.8	32.06	-1.64	1025.79	53.3	32.05	-1.64	1025.78
46.4	32.00	-1.59	1025.74	50.1	32.06	-1.64	1025.79	53.4	32.05	-1.63	1025.78
46.6	32.01	-1.60	1025.75	50.2	32.06	-1.64	1025.79	53.6	32.05	-1.63	1025.78
46.7	32.00	-1.60	1025.74	50.3	32.06	-1.64	1025.79	53.8	32.06	-1.64	1025.79
46.8	32.03	-1.61	1025.76	50.4	32.06	-1.63	1025.79	53.9	32.06	-1.64	1025.79
47.0	32.04	-1.62	1025.77	50.6	32.06	-1.63	1025.79	54.0	32.06	-1.64	1025.79
47.2	32.04	-1.62	1025.77	50.7	32.05	-1.63	1025.78	54.1	32.06	-1.64	1025.79
47.5	32.04	-1.62	1025.77	50.8	32.05	-1.64	1025.78				

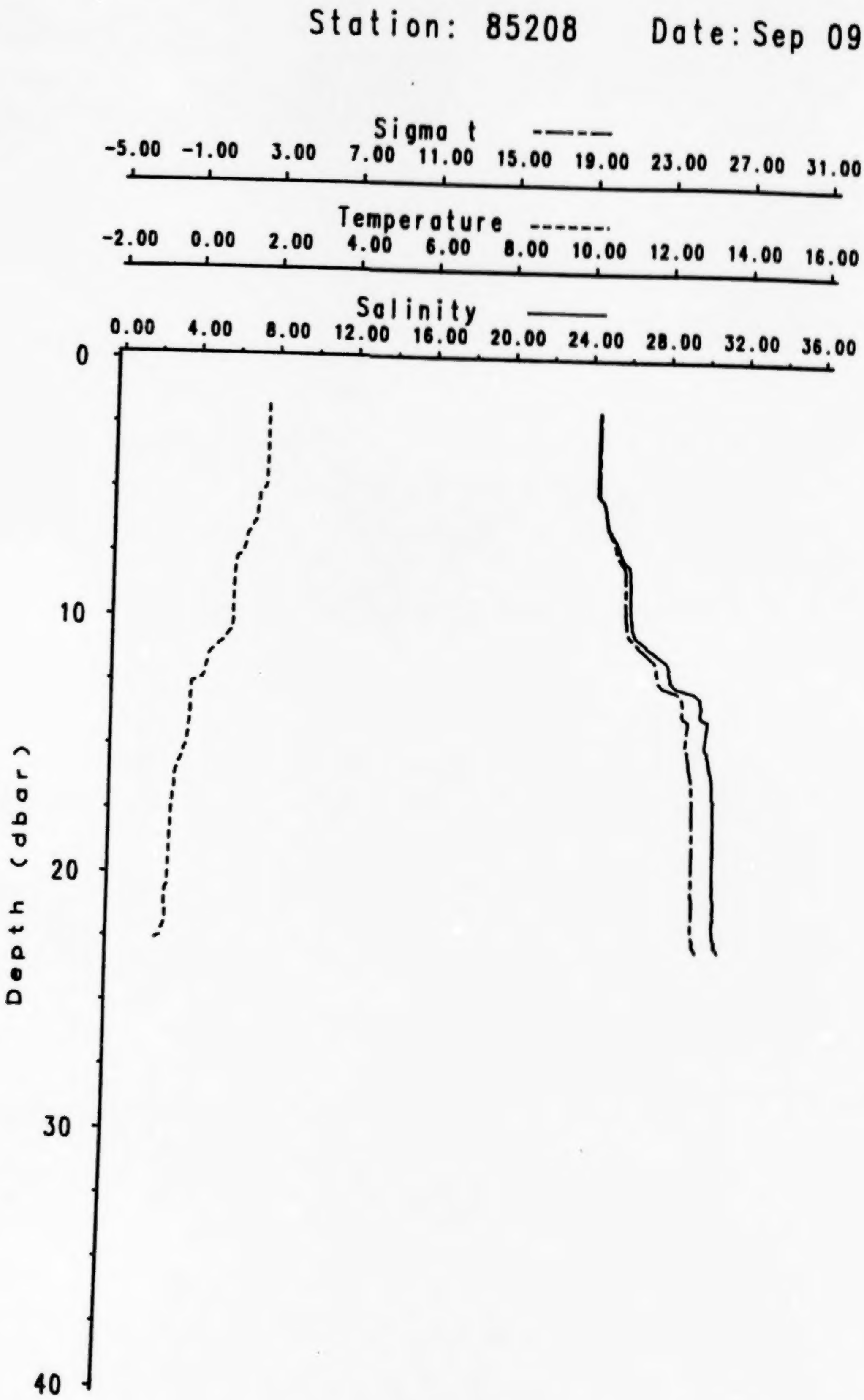
Station: 85208 Date: Sep 09
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.92. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85208, September 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	24.57	1.82	1019.63	8.8	26.38	1.03	1021.12	16.0	30.72	-0.32	1024.66
2.0	24.57	1.82	1019.63	8.9	26.38	1.03	1021.12	16.1	30.75	-0.34	1024.69
2.1	24.56	1.82	1019.63	9.1	26.38	1.03	1021.12	16.3	30.78	-0.37	1024.71
2.2	24.57	1.82	1019.63	9.2	26.37	1.02	1021.11	16.5	30.79	-0.38	1024.72
2.4	24.57	1.82	1019.63	9.4	26.37	1.03	1021.11	16.7	30.77	-0.37	1024.71
2.5	24.57	1.82	1019.63	9.5	26.40	1.02	1021.14	16.8	30.79	-0.37	1024.72
2.6	24.57	1.82	1019.63	9.6	26.40	1.02	1021.14	16.9	30.85	-0.42	1024.77
2.7	24.57	1.82	1019.63	9.7	26.42	1.02	1021.15	17.0	30.84	-0.42	1024.76
2.8	24.57	1.82	1019.63	10.0	26.47	1.01	1021.19	17.1	30.83	-0.41	1024.76
3.0	24.56	1.82	1019.63	10.1	26.49	1.04	1021.21	17.4	30.84	-0.42	1024.76
3.1	24.56	1.82	1019.63	10.3	26.52	1.02	1021.23	17.5	30.84	-0.42	1024.76
3.2	24.56	1.82	1019.63	10.5	26.61	1.01	1021.30	17.6	30.86	-0.44	1024.78
3.3	24.56	1.82	1019.63	10.6	26.67	1.00	1021.35	17.9	30.87	-0.45	1024.79
3.5	24.55	1.82	1019.62	10.7	26.86	0.95	1021.51	18.0	30.87	-0.45	1024.79
3.6	24.57	1.81	1019.63	10.9	27.20	0.86	1021.78	18.1	30.87	-0.45	1024.79
3.7	24.57	1.81	1019.63	11.0	27.27	0.84	1021.84	18.2	30.87	-0.45	1024.79
3.8	24.57	1.81	1019.63	11.1	27.49	0.75	1022.02	18.4	30.87	-0.45	1024.79
3.9	24.56	1.82	1019.63	11.2	27.69	0.67	1022.19	18.5	30.88	-0.46	1024.80
4.1	24.57	1.81	1019.63	11.4	28.01	0.53	1022.45	18.6	30.90	-0.47	1024.82
4.2	24.56	1.81	1019.63	11.5	28.21	0.47	1022.61	18.7	30.90	-0.47	1024.82
4.4	24.55	1.80	1019.62	11.6	28.33	0.43	1022.71	18.9	30.88	-0.47	1024.80
4.6	24.57	1.81	1019.63	11.7	28.38	0.40	1022.75	19.0	30.89	-0.47	1024.81
4.7	24.55	1.80	1019.62	11.8	28.40	0.40	1022.77	19.1	30.89	-0.47	1024.82
4.8	24.57	1.80	1019.64	12.0	28.42	0.37	1022.78	20.0	30.92	-0.49	1024.83
4.9	24.57	1.80	1019.64	12.1	28.47	0.35	1022.83	20.1	30.90	-0.49	1024.82
5.1	24.58	1.78	1019.64	12.2	28.49	0.34	1022.84	20.2	30.92	-0.49	1024.83
5.2	24.68	1.69	1019.73	12.3	28.51	0.34	1022.86	20.4	30.92	-0.49	1024.83
5.3	24.84	1.64	1019.86	12.5	28.76	0.28	1023.06	20.5	30.91	-0.49	1024.82
5.4	24.90	1.63	1019.91	12.6	29.19	0.16	1023.41	20.6	30.92	-0.49	1024.83
5.6	24.96	1.62	1019.96	12.7	29.71	0.00	1023.84	20.7	30.95	-0.53	1024.86
6.4	25.18	1.55	1020.13	12.9	30.04	-0.01	1024.10	20.8	30.98	-0.55	1024.88
6.5	25.27	1.50	1020.21	13.1	30.07	-0.01	1024.13	21.0	30.98	-0.56	1024.88
6.7	25.42	1.43	1020.33	13.2	30.11	-0.02	1024.16	21.2	30.98	-0.56	1024.88
6.8	25.51	1.39	1020.41	13.3	30.11	-0.02	1024.16	21.3	30.99	-0.56	1024.89
6.9	25.59	1.35	1020.47	13.6	30.05	-0.02	1024.11	21.5	30.99	-0.56	1024.89
7.1	25.70	1.31	1020.56	13.7	30.16	-0.01	1024.20	21.6	30.95	-0.52	1024.86
7.3	25.78	1.30	1020.63	13.8	30.46	-0.01	1024.44	21.7	30.94	-0.52	1024.85
7.4	25.83	1.28	1020.67	14.8	30.30	-0.08	1024.32	21.8	30.95	-0.52	1024.86
7.5	25.90	1.26	1020.72	14.9	30.33	-0.07	1024.34	21.9	30.94	-0.51	1024.85
7.7	26.07	1.18	1020.86	15.0	30.46	-0.11	1024.45	22.1	30.98	-0.54	1024.88
7.8	26.25	1.10	1021.01	15.2	30.49	-0.12	1024.47	22.2	31.00	-0.57	1024.90
7.9	26.29	1.08	1021.04	15.3	30.54	-0.16	1024.51	22.3	31.02	-0.59	1024.92
8.1	26.34	1.05	1021.09	15.4	30.55	-0.17	1024.52	22.4	31.08	-0.65	1024.97
8.3	26.35	1.05	1021.09	15.5	30.57	-0.20	1024.54	22.6	31.10	-0.66	1024.98
8.4	26.35	1.04	1021.09	15.7	30.61	-0.23	1024.57	22.7	31.19	-0.76	1025.06
8.5	26.37	1.04	1021.11	15.8	30.66	-0.27	1024.61	22.8	31.27	-0.82	1025.13

Station: 85209 Date: Sep 09

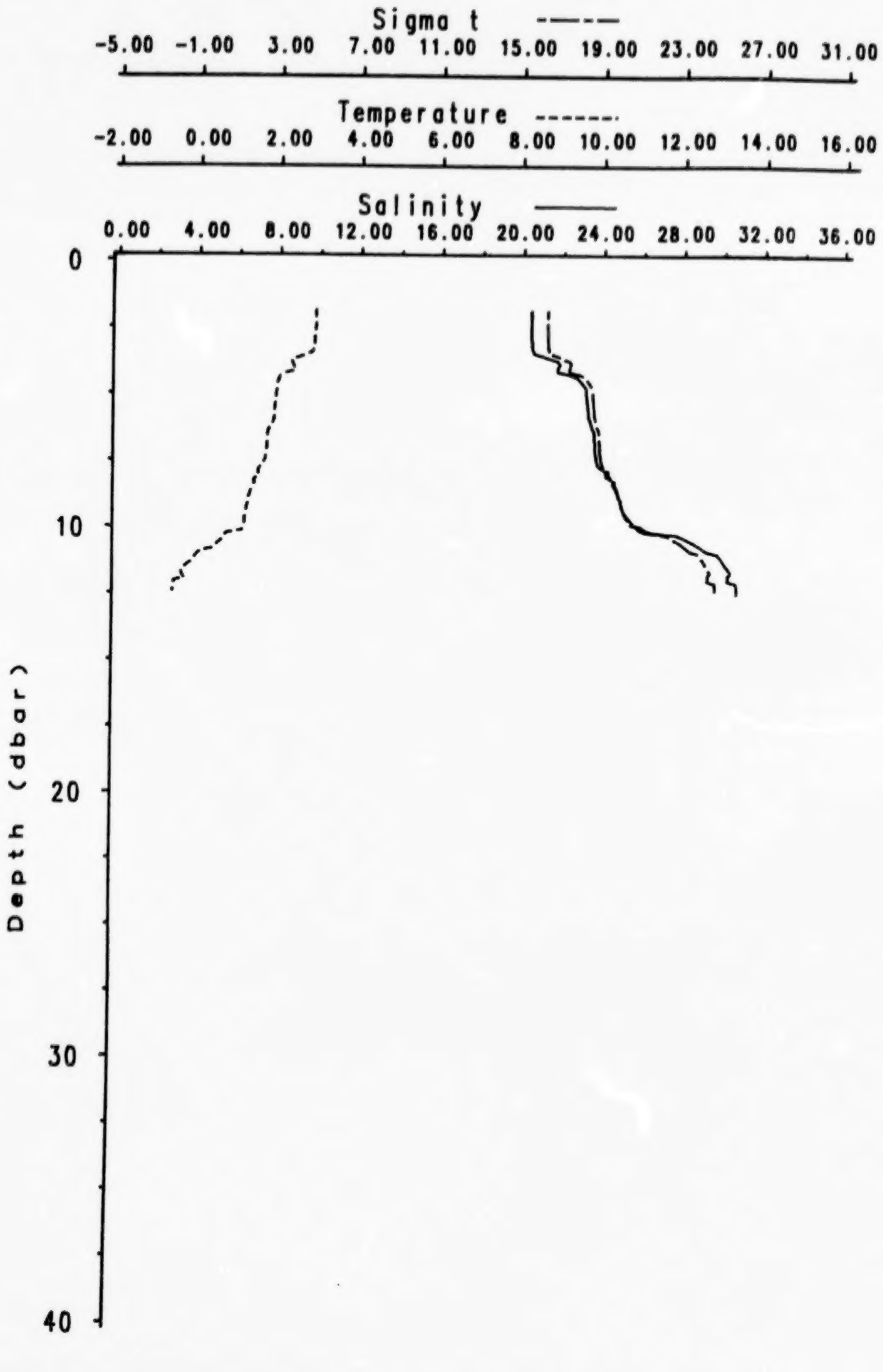

Table A1.93. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85209, September 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	20.53	2.94	1016.36	5.9	23.42	1.92	1018.71	8.9	24.95	1.31	1019.96
2.0	20.53	2.93	1016.36	6.0	23.48	1.92	1018.76	9.0	25.05	1.28	1020.04
2.1	20.53	2.94	1016.36	6.2	23.56	1.87	1018.82	9.1	25.05	1.29	1020.04
2.4	20.52	2.94	1016.35	6.3	23.60	1.84	1018.86	9.4	25.18	1.24	1020.15
2.5	20.53	2.94	1016.36	6.4	23.68	1.78	1018.92	9.6	25.35	1.22	1020.28
2.6	20.52	2.93	1016.35	6.5	23.71	1.76	1018.95	9.7	25.48	1.20	1020.39
2.7	20.54	2.92	1016.37	6.7	23.71	1.77	1018.95	9.9	25.69	1.20	1020.56
2.8	20.55	2.92	1016.37	6.8	23.73	1.77	1018.96	10.0	26.08	1.18	1020.87
3.0	20.55	2.91	1016.37	6.9	23.75	1.75	1018.98	10.1	26.23	1.14	1020.99
3.1	20.57	2.91	1016.39	7.0	23.75	1.74	1018.98	10.2	26.62	1.14	1021.31
3.3	20.57	2.91	1016.39	7.1	23.74	1.74	1018.97	10.3	27.91	0.75	1022.36
3.5	20.67	2.85	1016.47	7.3	23.78	1.72	1019.01	10.6	28.72	0.61	1023.02
3.8	21.87	2.34	1017.45	7.5	23.83	1.71	1019.05	10.7	28.94	0.53	1023.20
3.9	21.96	2.37	1017.52	7.7	23.91	1.65	1019.11	10.9	29.32	0.37	1023.51
4.1	21.85	2.42	1017.43	7.8	24.10	1.58	1019.27	11.0	29.88	0.09	1023.97
4.2	21.88	2.44	1017.46	7.9	24.28	1.54	1019.41	11.4	30.25	-0.13	1024.28
4.3	22.52	2.18	1017.98	8.0	24.28	1.53	1019.41	11.5	30.35	-0.21	1024.36
4.4	22.83	2.07	1018.23	8.1	24.32	1.55	1019.45	11.6	30.45	-0.28	1024.44
4.6	23.07	2.01	1018.43	8.3	24.71	1.42	1019.76	11.7	30.52	-0.36	1024.50
4.7	23.16	2.00	1018.50	8.4	24.65	1.45	1019.71	11.8	30.40	-0.36	1024.41
4.8	23.27	1.99	1018.59	8.5	24.74	1.40	1019.79				
5.8	23.43	1.91	1018.72	8.6	24.82	1.37	1019.85				

Station: 85210 Date: Sep 09

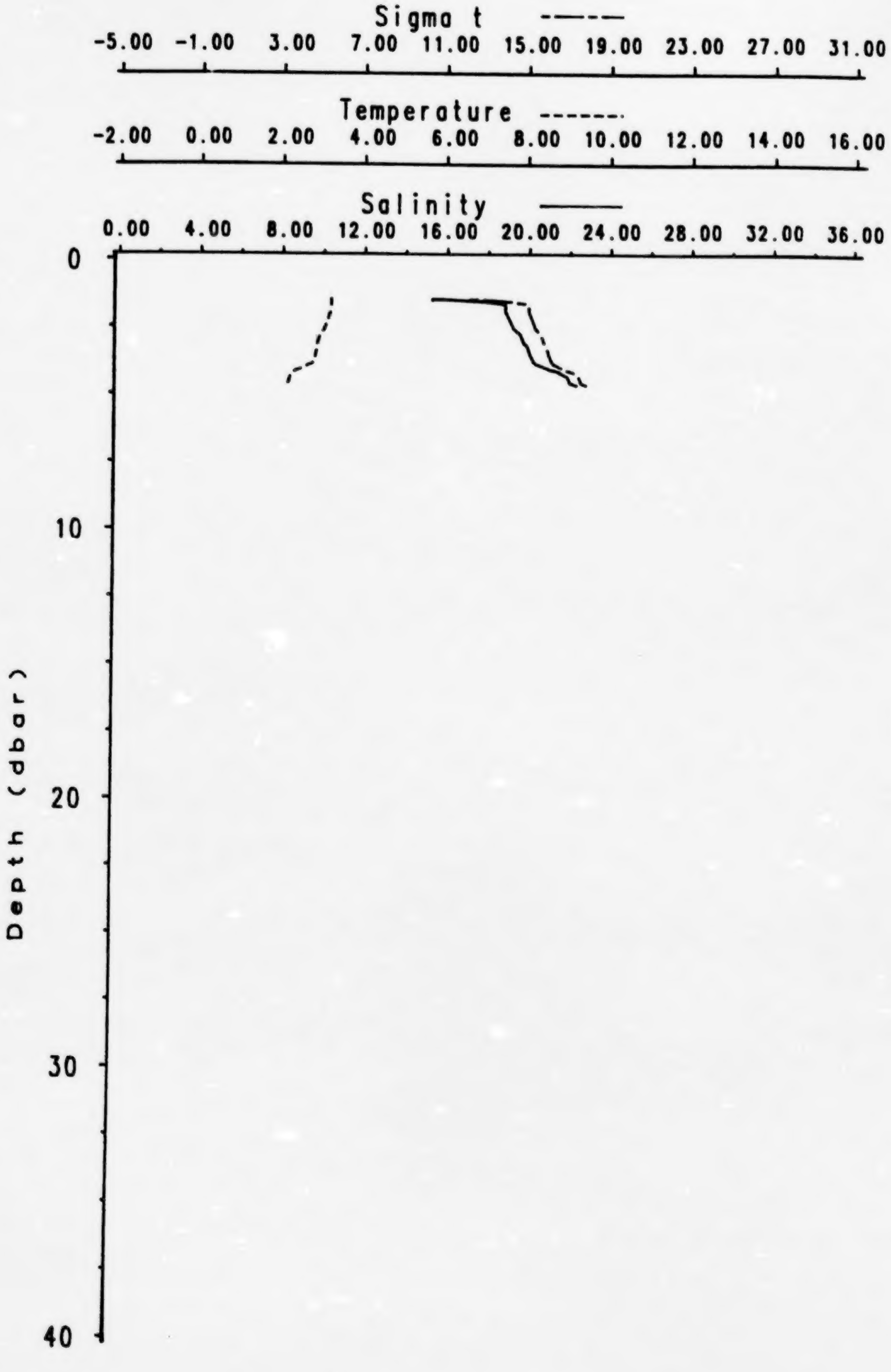

Table A1.94. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85210, September 9, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.5	15.34	3.21	1012.22	3.0	19.76	2.91	1015.75	3.9	20.40	2.77	1016.26
1.6	18.03	3.21	1014.36	3.1	19.81	2.90	1015.79	4.1	21.04	2.53	1016.78
1.7	18.93	3.21	1015.07	3.2	19.93	2.87	1015.88	4.2	21.56	2.34	1017.21
1.9	18.94	3.20	1015.08	3.3	20.02	2.86	1015.95	4.4	21.98	2.21	1017.55
2.0	18.95	3.19	1015.09	3.5	20.10	2.84	1016.02	4.6	22.08	2.18	1017.63
2.6	19.34	3.06	1015.40	3.6	20.15	2.83	1016.06	4.7	22.41	2.14	1017.89
2.7	19.48	3.02	1015.52	3.7	20.22	2.82	1016.12				
2.8	19.65	2.95	1015.66	3.8	20.28	2.80	1016.16				

Station: 85211 Date: Sep 10

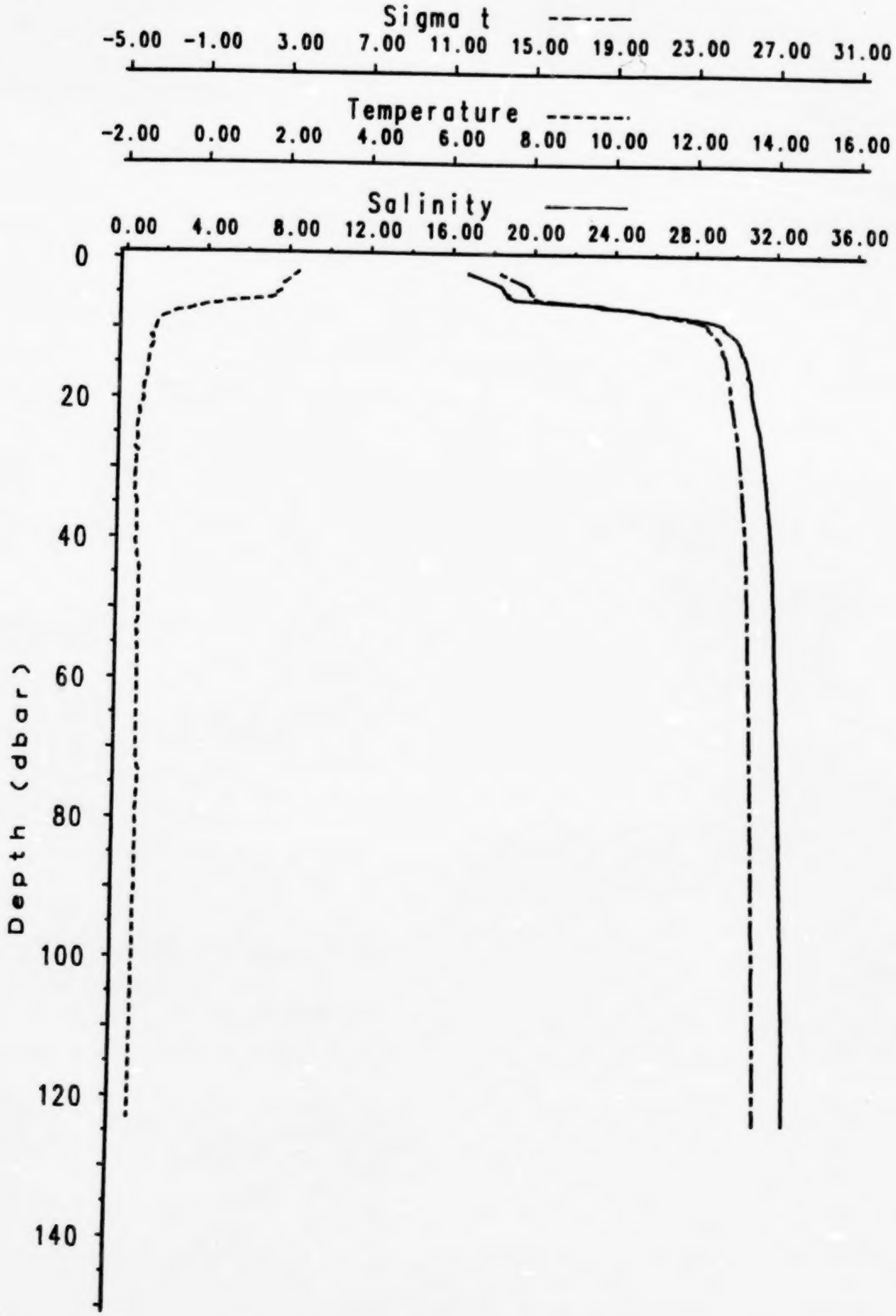

Table A1.95. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85211, September 10, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.1	16.86	2.26	1013.46	14.1	30.60	-1.34	1024.60	25.1	31.38	-1.62	1025.23
2.2	16.86	2.26	1013.46	14.3	30.64	-1.35	1024.63	25.4	31.39	-1.62	1025.24
3.7	18.23	1.95	1014.56	14.6	30.65	-1.36	1024.64	25.6	31.38	-1.60	1025.23
3.9	18.43	1.87	1014.72	15.0	30.68	-1.35	1024.66	25.8	31.39	-1.59	1025.24
4.1	18.52	1.88	1014.80	15.4	30.73	-1.38	1024.70	25.9	31.41	-1.58	1025.26
4.3	18.54	1.87	1014.81	15.7	30.75	-1.39	1024.72	26.0	31.42	-1.58	1025.27
4.4	18.60	1.86	1014.86	15.9	30.75	-1.39	1024.72	26.1	31.42	-1.58	1025.27
4.6	18.62	1.86	1014.88	16.1	30.75	-1.39	1024.72	26.4	31.46	-1.60	1025.30
4.7	18.65	1.85	1014.90	16.3	30.69	-1.39	1024.67	26.6	31.47	-1.62	1025.31
4.9	18.68	1.84	1014.92	16.4	30.72	-1.38	1024.69	26.8	31.46	-1.62	1025.30
5.2	18.88	1.75	1015.09	16.5	30.80	-1.39	1024.76	27.0	31.48	-1.65	1025.32
5.4	18.77	1.80	1015.00	16.8	30.82	-1.38	1024.78	27.4	31.50	-1.66	1025.33
5.8	19.08	1.66	1015.25	17.0	30.85	-1.39	1024.80	27.7	31.52	-1.63	1025.35
5.9	19.17	1.63	1015.32	17.3	30.88	-1.40	1024.82	27.9	31.53	-1.58	1025.36
6.2	20.75	1.14	1016.60	17.5	30.89	-1.41	1024.83	28.1	31.54	-1.58	1025.36
6.4	22.32	0.71	1017.87	17.9	30.90	-1.43	1024.84	28.3	31.56	-1.62	1025.38
6.5	23.02	0.50	1018.44	18.2	30.92	-1.44	1024.86	29.8	31.62	-1.63	1025.43
6.8	23.50	0.35	1018.83	18.5	30.91	-1.47	1024.85	30.1	31.63	-1.63	1025.44
6.9	24.04	0.20	1019.26	18.7	30.91	-1.47	1024.85	30.2	31.65	-1.64	1025.45
7.0	24.83	0.01	1019.90	18.9	30.93	-1.46	1024.87	30.3	31.64	-1.63	1025.45
7.3	25.46	-0.13	1020.41	19.1	30.93	-1.47	1024.87	30.7	31.64	-1.63	1025.45
7.4	25.94	-0.27	1020.80	19.2	30.93	-1.47	1024.87	30.8	31.65	-1.64	1025.45
7.7	26.30	-0.38	1021.10	19.5	30.95	-1.46	1024.88	31.1	31.66	-1.64	1025.46
7.9	27.05	-0.68	1021.71	19.6	30.95	-1.46	1024.88	31.4	31.69	-1.64	1025.49
8.3	28.18	-0.82	1022.63	19.7	30.98	-1.48	1024.91	31.7	31.68	-1.65	1025.48
8.5	28.65	-0.89	1023.01	19.9	30.98	-1.49	1024.91	31.8	31.71	-1.65	1025.50
8.6	28.89	-0.96	1023.20	20.0	30.99	-1.49	1024.92	31.9	31.71	-1.65	1025.50
8.8	29.12	-1.03	1023.39	20.2	30.99	-1.48	1024.92	32.1	31.71	-1.65	1025.50
9.1	29.42	-1.13	1023.64	20.5	31.01	-1.46	1024.93	32.2	31.71	-1.65	1025.50
9.4	29.49	-1.16	1023.69	20.6	31.01	-1.46	1024.93	32.3	31.73	-1.65	1025.52
9.6	29.49	-1.16	1023.69	20.7	31.05	-1.47	1024.96	32.6	31.72	-1.64	1025.51
11.0	30.12	-1.23	1024.20	21.1	31.07	-1.51	1024.98	32.7	31.72	-1.64	1025.51
11.4	30.21	-1.28	1024.28	21.3	31.09	-1.54	1025.00	32.9	31.73	-1.64	1025.52
11.5	30.24	-1.32	1024.30	21.7	31.12	-1.57	1025.02	33.3	31.76	-1.64	1025.54
11.8	30.30	-1.27	1024.35	22.1	31.14	-1.57	1025.04	33.5	31.77	-1.65	1025.55
12.2	30.34	-1.23	1024.38	22.3	31.17	-1.56	1025.06	33.9	31.78	-1.64	1025.56
12.5	30.36	-1.20	1024.40	22.6	31.18	-1.56	1025.07	34.1	31.79	-1.64	1025.57
12.6	30.40	-1.24	1024.43	22.8	31.17	-1.56	1025.06	34.4	31.80	-1.63	1025.58
12.8	30.41	-1.26	1024.44	22.9	31.18	-1.56	1025.07	34.5	31.79	-1.62	1025.57
12.9	30.39	-1.28	1024.42	23.1	31.22	-1.58	1025.10	34.6	31.79	-1.61	1025.57
13.1	30.42	-1.27	1024.45	23.3	31.26	-1.58	1025.14	34.8	31.78	-1.60	1025.56
13.2	30.43	-1.30	1024.46	23.6	31.27	-1.60	1025.14	34.9	31.79	-1.59	1025.57
13.3	30.51	-1.32	1024.52	23.9	31.31	-1.59	1025.18	35.1	31.82	-1.58	1025.59
13.4	30.54	-1.34	1024.55	24.3	31.33	-1.61	1025.19	35.3	31.82	-1.58	1025.59
13.7	30.56	-1.33	1024.56	24.7	31.36	-1.62	1025.22	35.5	31.84	-1.58	1025.61
13.8	30.58	-1.33	1024.58	24.8	31.38	-1.63	1025.23	35.8	31.86	-1.59	1025.62

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Table A1.95. Station 85211 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
36.0	31.86	-1.59	1025.62	45.6	32.12	-1.51	1025.83	55.1	32.26	-1.55	1025.95
36.1	31.87	-1.59	1025.63	45.9	32.13	-1.51	1025.84	55.5	32.27	-1.54	1025.96
36.4	31.87	-1.59	1025.63	46.1	32.13	-1.51	1025.84	55.7	32.27	-1.53	1025.96
36.5	31.88	-1.59	1025.64	46.5	32.14	-1.51	1025.85	55.8	32.27	-1.51	1025.96
36.7	31.88	-1.58	1025.64	46.8	32.13	-1.51	1025.84	56.1	32.28	-1.52	1025.96
36.9	31.89	-1.58	1025.65	47.1	32.14	-1.51	1025.85	56.2	32.27	-1.52	1025.96
37.0	31.91	-1.58	1025.66	47.2	32.14	-1.51	1025.85	56.4	32.27	-1.52	1025.96
37.2	31.91	-1.58	1025.66	47.5	32.13	-1.50	1025.84	56.5	32.27	-1.52	1025.96
37.3	31.91	-1.58	1025.66	47.7	32.14	-1.51	1025.85	56.6	32.28	-1.52	1025.96
37.6	31.91	-1.58	1025.66	47.8	32.14	-1.51	1025.85	56.8	32.28	-1.51	1025.96
37.7	31.93	-1.58	1025.68	48.0	32.14	-1.51	1025.85	57.1	32.29	-1.51	1025.97
38.0	31.94	-1.58	1025.69	48.2	32.15	-1.51	1025.86	57.2	32.30	-1.52	1025.98
38.2	31.94	-1.58	1025.69	48.5	32.15	-1.51	1025.86	57.6	32.30	-1.51	1025.98
38.5	31.93	-1.58	1025.68	48.8	32.18	-1.51	1025.88	57.8	32.31	-1.51	1025.99
38.7	31.96	-1.59	1025.71	49.1	32.17	-1.50	1025.87	58.2	32.29	-1.51	1025.97
39.0	31.96	-1.58	1025.70	49.3	32.19	-1.51	1025.89	58.3	32.30	-1.51	1025.98
39.2	31.97	-1.57	1025.71	49.4	32.19	-1.51	1025.89	58.7	32.30	-1.51	1025.98
39.5	31.96	-1.57	1025.70	49.6	32.18	-1.51	1025.88	58.8	32.32	-1.51	1026.00
39.7	31.98	-1.53	1025.72	49.8	32.18	-1.51	1025.88	59.1	32.33	-1.51	1026.00
39.9	31.98	-1.58	1025.72	50.1	32.18	-1.51	1025.88	59.2	32.34	-1.52	1026.01
40.1	31.98	-1.59	1025.72	50.2	32.19	-1.51	1025.89	59.4	32.33	-1.51	1026.00
40.2	32.00	-1.59	1025.74	50.3	32.19	-1.51	1025.89	59.6	32.33	-1.52	1026.00
40.3	32.01	-1.59	1025.75	50.4	32.18	-1.51	1025.88	59.7	32.34	-1.52	1026.01
40.6	32.01	-1.60	1025.75	50.6	32.20	-1.51	1025.90	59.9	32.34	-1.51	1026.01
40.8	32.00	-1.62	1025.74	50.7	32.19	-1.51	1025.89	60.2	32.34	-1.51	1026.01
41.2	32.02	-1.61	1025.75	50.8	32.20	-1.51	1025.90	60.5	32.35	-1.51	1026.02
41.4	32.02	-1.57	1025.75	51.0	32.19	-1.51	1025.89	60.8	32.35	-1.51	1026.02
41.8	32.04	-1.54	1025.77	51.2	32.21	-1.51	1025.91	61.1	32.36	-1.51	1026.03
41.9	32.02	-1.54	1025.75	51.4	32.21	-1.51	1025.91	61.4	32.36	-1.51	1026.03
42.0	32.04	-1.55	1025.77	51.5	32.20	-1.50	1025.90	61.6	32.36	-1.51	1026.03
42.4	32.04	-1.55	1025.77	52.0	32.21	-1.50	1025.91	61.8	32.36	-1.51	1026.03
42.5	32.03	-1.55	1025.76	52.3	32.22	-1.51	1025.91	62.0	32.37	-1.51	1026.04
42.7	32.05	-1.57	1025.78	52.5	32.23	-1.54	1025.92	62.2	32.36	-1.51	1026.03
42.9	32.07	-1.57	1025.79	52.8	32.23	-1.55	1025.92	62.4	32.37	-1.51	1026.04
43.1	32.07	-1.56	1025.79	53.0	32.22	-1.56	1025.92	62.5	32.37	-1.51	1026.04
43.4	32.08	-1.51	1025.80	53.1	32.24	-1.56	1025.93	62.8	32.38	-1.51	1026.04
43.5	32.08	-1.51	1025.80	53.3	32.22	-1.56	1025.92	63.0	32.38	-1.51	1026.04
43.9	32.09	-1.52	1025.81	53.4	32.25	-1.56	1025.94	63.1	32.38	-1.51	1026.04
44.3	32.08	-1.51	1025.80	53.5	32.24	-1.56	1025.93	63.3	32.39	-1.51	1026.05
44.5	32.09	-1.50	1025.81	53.6	32.25	-1.55	1025.94	63.5	32.39	-1.51	1026.05
44.8	32.11	-1.51	1025.83	53.8	32.24	-1.54	1025.93	63.7	32.39	-1.51	1026.05
45.0	32.10	-1.50	1025.82	53.9	32.24	-1.53	1025.93	64.1	32.40	-1.51	1026.06
45.1	32.09	-1.50	1025.81	54.0	32.24	-1.51	1025.93	64.2	32.40	-1.51	1026.06
45.2	32.10	-1.50	1025.82	54.4	32.24	-1.53	1025.93	64.5	32.40	-1.51	1026.06
45.4	32.10	-1.50	1025.82	54.5	32.25	-1.54	1025.94	64.6	32.40	-1.51	1026.06
45.5	32.13	-1.51	1025.84	54.7	32.24	-1.54	1025.93	64.8	32.39	-1.51	1026.05

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Table A1.95. Station 85211 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
65.0	32.41	-1.51	1026.07	75.2	32.53	-1.45	1026.16	85.2	32.64	-1.49	1026.25
65.2	32.42	-1.52	1026.08	75.3	32.54	-1.46	1026.17	85.3	32.64	-1.49	1026.25
65.4	32.41	-1.51	1026.07	75.6	32.54	-1.46	1026.17	85.7	32.66	-1.49	1026.27
65.5	32.41	-1.51	1026.07	75.8	32.54	-1.47	1026.17	86.0	32.66	-1.49	1026.27
65.7	32.41	-1.52	1026.07	76.1	32.54	-1.47	1026.17	86.4	32.64	-1.49	1026.25
65.8	32.41	-1.51	1026.07	76.2	32.55	-1.47	1026.18	86.8	32.66	-1.49	1026.27
66.1	32.42	-1.51	1026.08	76.4	32.55	-1.47	1026.18	87.2	32.67	-1.50	1026.28
66.3	32.41	-1.52	1026.07	76.6	32.55	-1.47	1026.18	87.4	32.67	-1.49	1026.28
66.6	32.42	-1.52	1026.08	76.7	32.55	-1.47	1026.18	87.5	32.67	-1.49	1026.28
67.9	32.44	-1.51	1026.09	76.8	32.55	-1.48	1026.18	87.7	32.67	-1.49	1026.28
68.2	32.44	-1.51	1026.09	76.9	32.56	-1.48	1026.19	87.8	32.67	-1.50	1026.28
68.3	32.45	-1.51	1026.10	77.2	32.55	-1.48	1026.18	87.9	32.66	-1.49	1026.27
68.6	32.45	-1.51	1026.10	77.7	32.56	-1.48	1026.19	88.0	32.68	-1.50	1026.29
68.8	32.45	-1.51	1026.10	77.9	32.55	-1.48	1026.18	88.1	32.68	-1.49	1026.29
69.0	32.45	-1.51	1026.10	78.2	32.56	-1.47	1026.19	88.3	32.68	-1.49	1026.29
69.3	32.45	-1.51	1026.10	78.3	32.56	-1.48	1026.19	88.6	32.68	-1.48	1026.29
69.5	32.46	-1.51	1026.11	78.7	32.57	-1.49	1026.20	89.0	32.68	-1.48	1026.29
69.7	32.46	-1.51	1026.11	78.9	32.58	-1.50	1026.21	89.2	32.68	-1.48	1026.29
69.8	32.45	-1.51	1026.10	79.0	32.58	-1.50	1026.21	89.5	32.69	-1.48	1026.30
69.9	32.45	-1.51	1026.10	79.1	32.57	-1.50	1026.20	90.0	32.69	-1.49	1026.30
70.1	32.44	-1.51	1026.09	79.3	32.57	-1.49	1026.20	90.3	32.70	-1.49	1026.30
70.3	32.47	-1.51	1026.12	79.4	32.57	-1.49	1026.20	90.4	32.71	-1.49	1026.31
70.4	32.47	-1.51	1026.12	79.6	32.59	-1.49	1026.21	90.5	32.70	-1.48	1026.30
70.5	32.47	-1.51	1026.12	79.9	32.59	-1.49	1026.21	90.6	32.70	-1.49	1026.30
70.8	32.47	-1.50	1026.12	80.2	32.59	-1.49	1026.21	90.7	32.70	-1.49	1026.30
70.9	32.47	-1.49	1026.12	80.3	32.58	-1.50	1026.21	90.9	32.70	-1.49	1026.30
71.3	32.47	-1.49	1026.12	80.6	32.58	-1.49	1026.21	91.1	32.71	-1.50	1026.31
71.4	32.48	-1.50	1026.13	81.0	32.60	-1.49	1026.22	91.5	32.71	-1.51	1026.31
71.6	32.48	-1.51	1026.13	81.1	32.60	-1.48	1026.22	91.8	32.71	-1.51	1026.31
71.8	32.49	-1.49	1026.13	81.5	32.61	-1.48	1026.23	92.2	32.71	-1.50	1026.31
71.9	32.48	-1.48	1026.12	81.7	32.59	-1.48	1026.21	92.5	32.73	-1.51	1026.33
72.1	32.48	-1.46	1026.12	81.9	32.62	-1.48	1026.24	93.1	32.73	-1.51	1026.33
72.4	32.48	-1.47	1026.12	82.0	32.60	-1.48	1026.22	93.3	32.73	-1.51	1026.33
72.7	32.50	-1.48	1026.14	82.1	32.60	-1.47	1026.22	93.5	32.73	-1.51	1026.33
72.9	32.49	-1.47	1026.13	82.2	32.61	-1.48	1026.23	93.6	32.73	-1.51	1026.33
73.0	32.49	-1.47	1026.13	82.6	32.62	-1.48	1026.24	93.7	32.73	-1.51	1026.33
73.1	32.50	-1.46	1026.14	82.8	32.62	-1.49	1026.24	93.9	32.74	-1.51	1026.34
73.4	32.50	-1.46	1026.14	83.1	32.63	-1.49	1026.25	94.6	32.73	-1.51	1026.33
73.5	32.50	-1.44	1026.14	83.4	32.62	-1.50	1026.24	94.9	32.74	-1.51	1026.34
73.6	32.51	-1.42	1026.15	83.6	32.62	-1.49	1026.24	95.3	32.75	-1.51	1026.34
73.7	32.52	-1.43	1026.16	84.0	32.64	-1.49	1026.25	95.6	32.76	-1.51	1026.35
74.0	32.52	-1.45	1026.16	84.2	32.64	-1.49	1026.25	95.9	32.76	-1.51	1026.35
74.1	32.52	-1.46	1026.16	84.6	32.63	-1.50	1026.25	96.3	32.76	-1.51	1026.35
74.4	32.52	-1.47	1026.16	84.7	32.64	-1.50	1026.26	96.4	32.77	-1.51	1026.36
74.6	32.53	-1.46	1026.16	84.8	32.64	-1.49	1026.25	96.5	32.76	-1.51	1026.35
75.0	32.51	-1.45	1026.15	84.9	32.64	-1.49	1026.25	96.7	32.76	-1.51	1026.35

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Table A1.95. Station 85211 continued.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
97.1	32.79	-1.51	1026.38	107.0	32.90	-1.54	1026.47	116.6	32.98	-1.55	1026.53
97.4	32.79	-1.51	1026.38	107.4	32.89	-1.54	1026.46	116.8	32.98	-1.55	1026.53
97.8	32.79	-1.51	1026.38	107.8	32.90	-1.54	1026.47	116.9	32.98	-1.55	1026.53
98.2	32.79	-1.51	1026.38	107.9	32.92	-1.54	1026.48	117.1	32.99	-1.55	1026.54
98.6	32.81	-1.51	1026.39	108.6	32.91	-1.54	1026.48	117.3	32.99	-1.55	1026.54
99.0	32.81	-1.51	1026.39	108.9	32.91	-1.54	1026.48	117.5	32.99	-1.55	1026.54
99.3	32.81	-1.51	1026.39	109.1	32.92	-1.54	1026.48	117.6	32.99	-1.55	1026.54
99.4	32.81	-1.51	1026.39	109.6	32.92	-1.54	1026.48	117.7	32.99	-1.55	1026.54
99.5	32.81	-1.52	1026.39	109.7	32.93	-1.54	1026.49	118.1	32.99	-1.55	1026.54
99.7	32.82	-1.52	1026.40	110.2	32.94	-1.54	1026.50	118.4	32.99	-1.55	1026.54
100.0	32.82	-1.52	1026.40	110.5	32.93	-1.54	1026.49	118.5	32.99	-1.55	1026.54
100.2	32.82	-1.51	1026.40	110.6	32.94	-1.54	1026.50	118.6	33.00	-1.56	1026.55
100.5	32.82	-1.51	1026.40	110.8	32.94	-1.54	1026.50	118.7	32.99	-1.55	1026.54
100.8	32.84	-1.51	1026.42	111.0	32.94	-1.54	1026.50	119.0	32.99	-1.55	1026.54
101.0	32.82	-1.51	1026.40	111.1	32.94	-1.54	1026.50	119.2	32.98	-1.55	1026.53
101.4	32.83	-1.54	1026.41	111.2	32.94	-1.54	1026.50	119.4	32.98	-1.56	1026.53
101.7	32.83	-1.54	1026.41	111.3	32.94	-1.55	1026.50	119.5	32.99	-1.55	1026.54
102.1	32.83	-1.54	1026.41	111.5	32.94	-1.54	1026.50	119.6	33.00	-1.56	1026.55
102.3	32.83	-1.53	1026.41	111.7	32.93	-1.55	1026.49	120.0	32.98	-1.56	1026.53
102.5	32.83	-1.53	1026.41	111.9	32.95	-1.54	1026.51	120.3	32.99	-1.56	1026.54
103.6	32.84	-1.53	1026.42	112.2	32.96	-1.55	1026.52	120.6	32.98	-1.55	1026.53
103.9	32.86	-1.53	1026.43	112.8	32.95	-1.54	1026.51	120.8	32.99	-1.55	1026.54
104.2	32.87	-1.53	1026.44	113.2	32.95	-1.55	1026.51	121.1	32.99	-1.55	1026.54
104.3	32.87	-1.53	1026.44	113.6	32.96	-1.54	1026.52	121.2	32.98	-1.55	1026.53
104.7	32.87	-1.53	1026.44	113.9	32.96	-1.54	1026.52	121.4	32.99	-1.56	1026.54
104.8	32.87	-1.53	1026.44	114.0	32.96	-1.55	1026.52	121.6	33.00	-1.56	1026.55
104.9	32.87	-1.53	1026.44	114.2	32.96	-1.54	1026.52	121.7	33.01	-1.55	1026.56
105.0	32.87	-1.53	1026.44	114.3	32.97	-1.55	1026.52	121.8	32.99	-1.55	1026.54
105.2	32.87	-1.53	1026.44	114.5	32.96	-1.55	1026.52	122.0	33.01	-1.56	1026.56
105.3	32.88	-1.54	1026.45	114.8	32.97	-1.55	1026.52	122.2	33.01	-1.55	1026.56
105.4	32.88	-1.54	1026.45	115.0	32.98	-1.55	1026.53	122.7	33.01	-1.56	1026.56
105.7	32.88	-1.53	1026.45	115.1	32.97	-1.55	1026.52	122.8	32.99	-1.56	1026.54
105.8	32.88	-1.53	1026.45	115.4	32.98	-1.55	1026.53	123.0	33.01	-1.56	1026.56
105.9	32.88	-1.53	1026.45	115.8	32.98	-1.55	1026.53	123.2	32.99	-1.56	1026.54
106.1	32.88	-1.54	1026.45	116.0	32.98	-1.55	1026.53	123.3	33.01	-1.56	1026.56
106.4	32.89	-1.54	1026.46	116.4	32.97	-1.55	1026.52				
106.8	32.89	-1.54	1026.46	116.5	32.98	-1.55	1026.53				

Station: 85212 Date: Sep 12

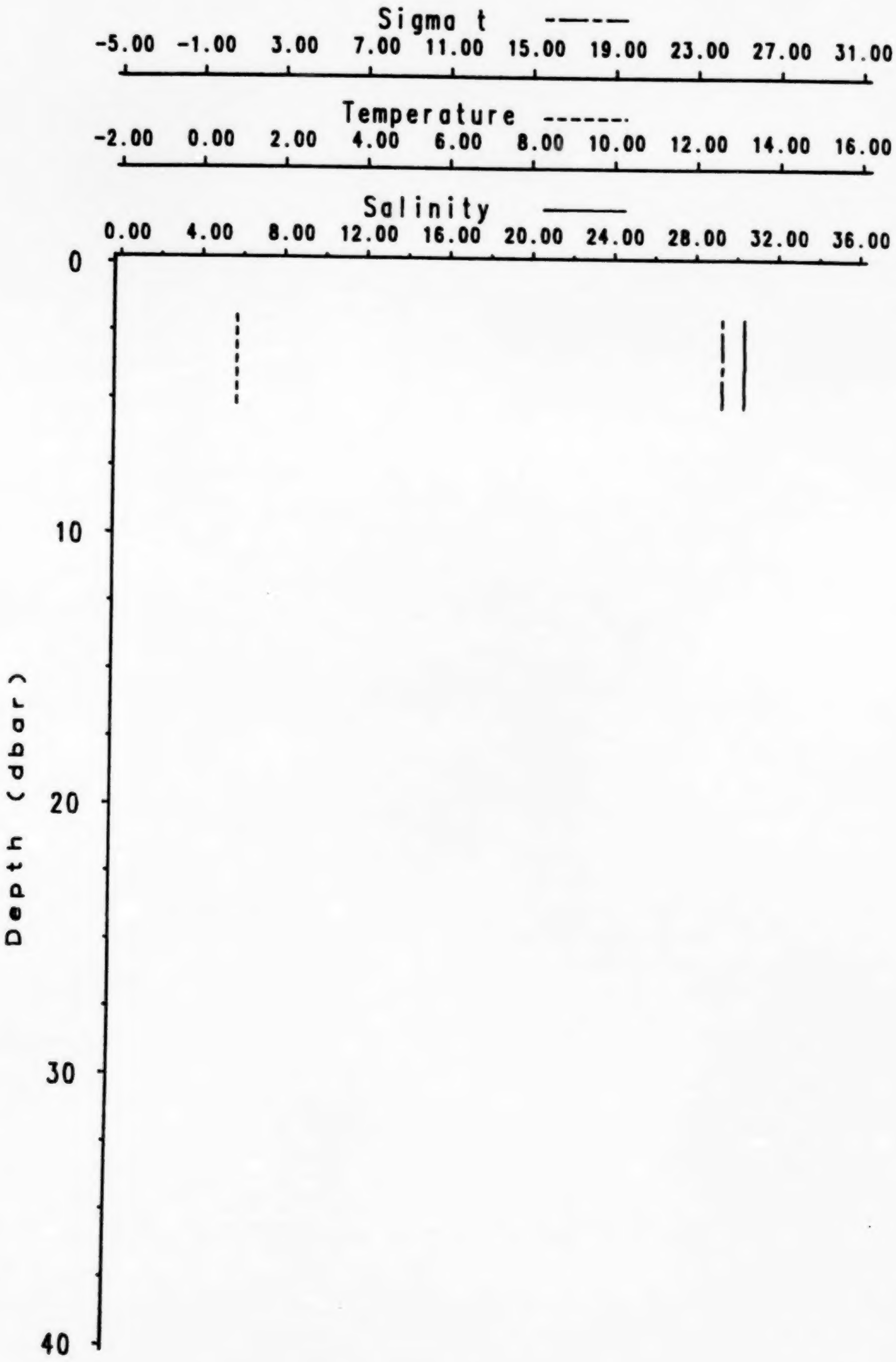


Table A1.96. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85212, September 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	30.42	0.87	1024.37	3.2	30.46	0.87	1024.40	4.4	30.42	0.87	1024.37
2.1	30.43	0.87	1024.38	3.3	30.46	0.88	1024.40	4.6	30.41	0.88	1024.36
2.2	30.41	0.88	1024.36	3.6	30.46	0.88	1024.40	4.7	30.41	0.89	1024.36
2.4	30.42	0.87	1024.37	3.7	30.46	0.87	1024.40	4.8	30.44	0.88	1024.39
2.5	30.42	0.87	1024.37	3.8	30.46	0.88	1024.40	4.9	30.43	0.88	1024.38
2.6	30.43	0.88	1024.38	3.9	30.43	0.88	1024.38	5.1	30.44	0.88	1024.39
2.7	30.44	0.87	1024.39	4.1	30.41	0.88	1024.36	5.2	30.42	0.88	1024.37
3.0	30.43	0.88	1024.38	4.2	30.42	0.88	1024.37	5.3	30.42	0.88	1024.37
3.1	30.45	0.87	1024.39	4.3	30.42	0.87	1024.37				

Station: 85213 Date: Sep 12

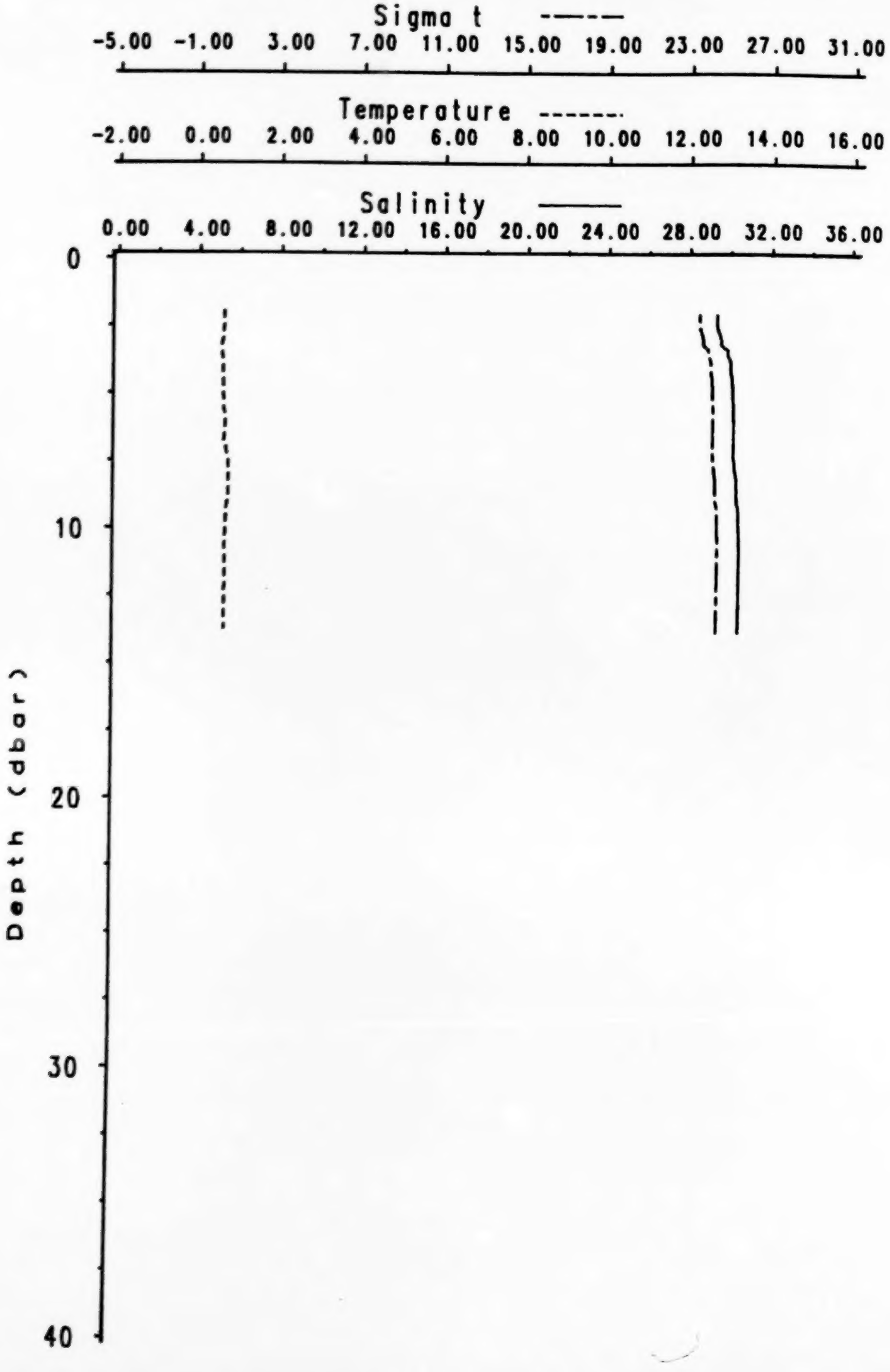


Table A1.97. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85213, September 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	29.38	0.63	1023.55	5.6	30.25	0.63	1024.25	10.3	30.57	0.67	1024.50
2.2	29.38	0.63	1023.55	5.7	30.23	0.64	1024.23	10.5	30.57	0.67	1024.50
2.4	29.41	0.63	1023.57	5.8	30.23	0.66	1024.23	10.6	30.57	0.67	1024.50
2.5	29.42	0.63	1023.58	5.9	30.25	0.68	1024.24	10.7	30.58	0.66	1024.51
2.6	29.46	0.63	1023.61	6.8	30.23	0.63	1024.23	10.9	30.57	0.67	1024.50
2.7	29.51	0.62	1023.65	6.9	30.23	0.69	1024.23	11.1	30.57	0.67	1024.50
2.8	29.56	0.61	1023.69	7.0	30.24	0.69	1024.24	11.2	30.57	0.67	1024.50
3.0	29.62	0.61	1023.74	7.1	30.24	0.69	1024.24	11.4	30.57	0.67	1024.50
3.1	29.59	0.60	1023.72	7.3	30.25	0.72	1024.24	11.5	30.57	0.67	1024.50
3.2	29.72	0.58	1023.82	7.4	30.27	0.73	1024.26	11.6	30.57	0.67	1024.50
3.3	29.92	0.58	1023.98	7.5	30.29	0.75	1024.27	11.7	30.57	0.67	1024.50
3.5	29.92	0.58	1023.98	7.7	30.32	0.75	1024.30	11.8	30.57	0.67	1024.50
3.6	30.00	0.59	1024.05	7.8	30.32	0.76	1024.30	12.0	30.57	0.67	1024.50
3.7	30.05	0.60	1024.09	7.9	30.35	0.75	1024.32	12.1	30.56	0.67	1024.49
3.8	30.08	0.61	1024.11	8.0	30.37	0.75	1024.34	12.2	30.56	0.67	1024.49
3.9	30.08	0.61	1024.11	8.1	30.40	0.75	1024.36	12.3	30.57	0.66	1024.50
4.1	30.09	0.61	1024.12	8.3	30.41	0.75	1024.37	12.5	30.57	0.66	1024.50
4.2	30.11	0.61	1024.13	8.4	30.42	0.75	1024.38	12.6	30.57	0.67	1024.50
4.3	30.13	0.61	1024.15	8.5	30.43	0.75	1024.38	12.7	30.56	0.67	1024.49
4.4	30.16	0.62	1024.17	8.6	30.42	0.75	1024.38	12.8	30.57	0.67	1024.50
4.6	30.16	0.62	1024.17	8.8	30.43	0.75	1024.38	12.9	30.56	0.67	1024.49
4.7	30.19	0.62	1024.20	8.9	30.43	0.75	1024.38	13.1	30.57	0.66	1024.50
4.8	30.19	0.61	1024.20	9.0	30.45	0.74	1024.40	13.3	30.56	0.67	1024.49
4.9	30.19	0.61	1024.20	9.1	30.48	0.72	1024.43	13.4	30.55	0.67	1024.49
5.1	30.20	0.62	1024.21	9.2	30.51	0.71	1024.45	13.6	30.57	0.66	1024.50
5.2	30.21	0.63	1024.21	9.4	30.53	0.69	1024.47	13.7	30.53	0.67	1024.47
5.3	30.23	0.63	1024.23	9.5	30.53	0.69	1024.47	13.8	30.55	0.67	1024.49
5.4	30.24	0.63	1024.24	9.6	30.53	0.69	1024.47				

Station: 85214 Date: Sep 12

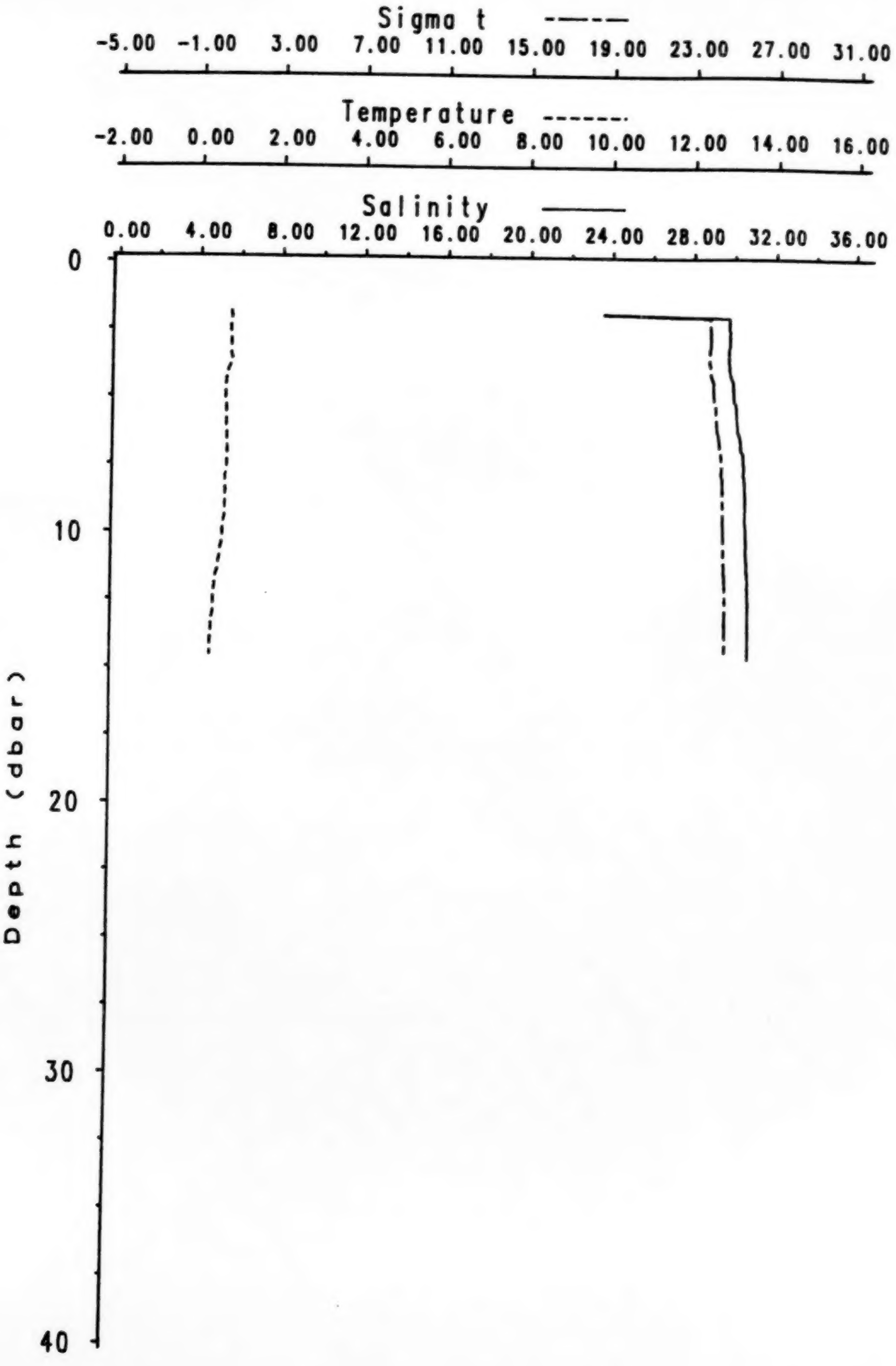


Table A1.98. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85214, September 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.9	23.68	0.78	1018.96	6.5	30.40	0.70	1024.36	10.9	30.78	0.55	1024.68
2.0	29.82	0.79	1023.89	6.7	30.44	0.70	1024.40	11.0	30.78	0.54	1024.68
2.1	29.82	0.80	1023.89	6.8	30.45	0.71	1024.40	11.1	30.80	0.53	1024.69
2.2	29.82	0.78	1023.89	6.9	30.45	0.71	1024.40	11.2	30.81	0.52	1024.70
2.4	29.82	0.77	1023.89	7.0	30.55	0.71	1024.48	11.4	30.81	0.51	1024.70
2.5	29.85	0.77	1023.92	7.1	30.56	0.71	1024.49	11.5	30.83	0.49	1024.72
2.6	29.86	0.77	1023.93	7.3	30.58	0.70	1024.51	11.6	30.84	0.47	1024.73
2.7	29.86	0.78	1023.93	7.4	30.59	0.70	1024.52	11.7	30.85	0.45	1024.74
2.8	29.85	0.79	1023.92	7.5	30.61	0.70	1024.53	11.8	30.85	0.44	1024.74
3.0	29.86	0.79	1023.92	7.7	30.59	0.69	1024.52	12.0	30.86	0.43	1024.75
3.2	29.80	0.78	1023.88	7.8	30.56	0.69	1024.49	12.1	30.87	0.43	1024.75
3.3	29.80	0.79	1023.88	7.9	30.63	0.68	1024.55	12.2	30.86	0.42	1024.75
3.5	29.82	0.79	1023.89	8.0	30.65	0.66	1024.57	12.3	30.87	0.41	1024.76
3.6	29.80	0.82	1023.87	8.1	30.66	0.66	1024.57	12.5	30.88	0.40	1024.76
3.7	29.82	0.79	1023.89	8.3	30.67	0.67	1024.58	12.6	30.89	0.40	1024.77
3.8	29.84	0.76	1023.91	8.4	30.68	0.67	1024.59	12.7	30.88	0.40	1024.76
3.9	29.83	0.77	1023.90	8.5	30.68	0.67	1024.59	12.8	30.88	0.40	1024.76
4.1	29.89	0.71	1023.95	8.6	30.68	0.67	1024.59	12.9	30.88	0.40	1024.76
4.2	29.93	0.71	1023.98	8.8	30.69	0.67	1024.60	13.1	30.88	0.39	1024.76
4.3	29.99	0.69	1024.03	8.9	30.68	0.67	1024.59	13.2	30.88	0.38	1024.76
4.4	30.04	0.67	1024.08	9.0	30.70	0.66	1024.61	13.3	30.88	0.38	1024.76
4.6	30.05	0.66	1024.08	9.5	30.70	0.66	1024.61	13.4	30.89	0.35	1024.77
4.7	30.06	0.66	1024.09	9.7	30.73	0.63	1024.63	13.6	30.89	0.36	1024.77
4.8	30.07	0.66	1024.10	9.9	30.74	0.62	1024.64	13.8	30.91	0.34	1024.79
4.9	30.08	0.66	1024.11	10.0	30.75	0.61	1024.65	13.9	30.90	0.34	1024.78
5.1	30.09	0.66	1024.12	10.1	30.75	0.61	1024.65	14.1	30.90	0.34	1024.78
5.2	30.19	0.67	1024.20	10.2	30.75	0.61	1024.65	14.2	30.90	0.34	1024.78
5.3	30.20	0.68	1024.20	10.3	30.76	0.60	1024.66	14.3	30.89	0.34	1024.77
6.2	30.29	0.68	1024.28	10.5	30.76	0.59	1024.66	14.4	30.88	0.34	1024.77
6.3	30.34	0.69	1024.32	10.6	30.76	0.58	1024.66	14.6	30.90	0.34	1024.78
6.4	30.38	0.70	1024.35	10.7	30.76	0.56	1024.66				

Station: 85215 Date: Sep 12

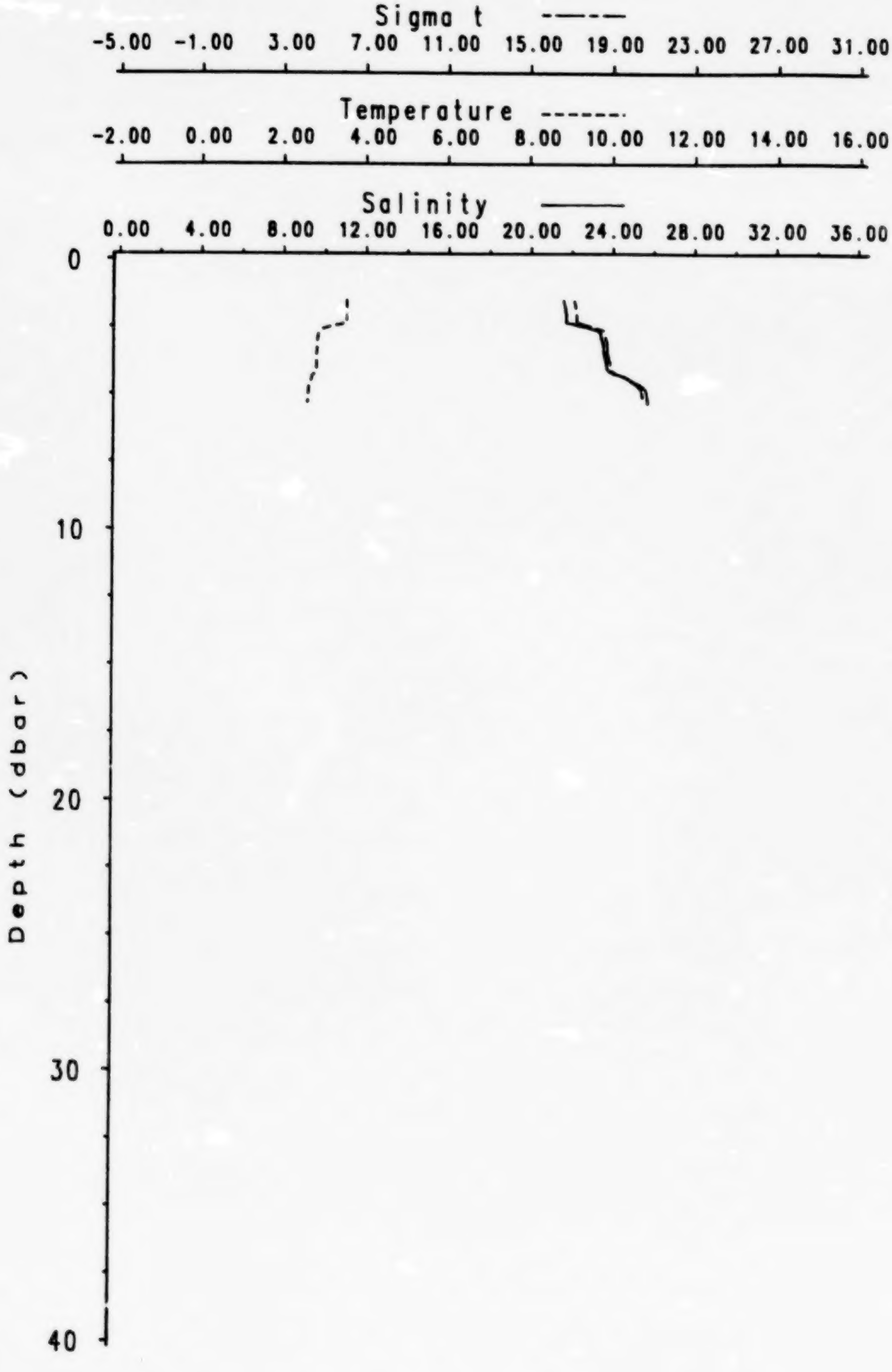
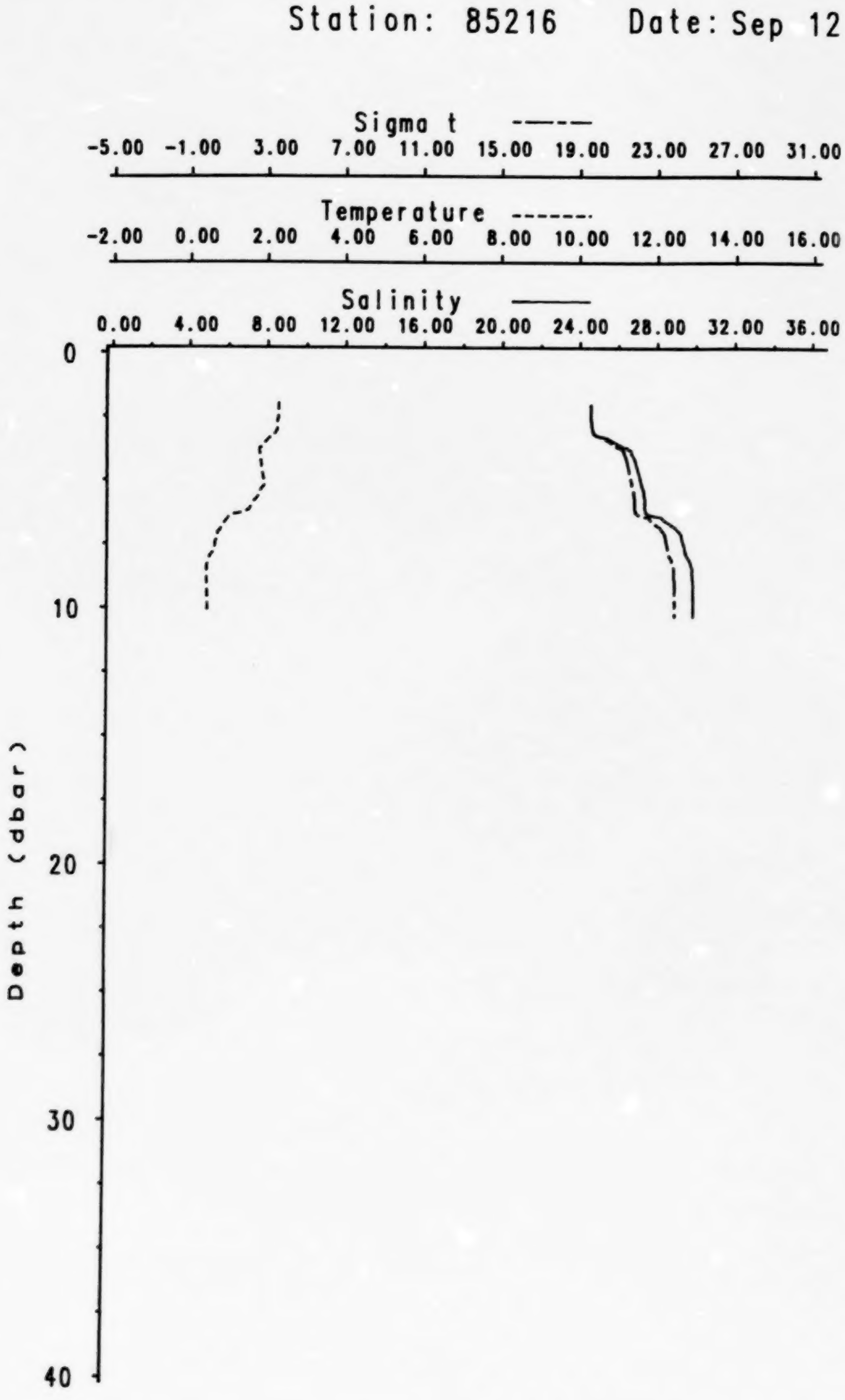


Table A1.99. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85215, September 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.6	21.69	3.56	1017.24	3.1	23.61	2.85	1018.81	4.4	24.68	2.73	1019.67
1.9	21.80	3.58	1017.33	3.2	23.64	2.85	1018.84	4.6	25.14	2.70	1020.04
2.0	21.81	3.55	1017.34	3.3	23.66	2.84	1018.85	4.7	25.41	2.67	1020.26
2.1	21.84	3.56	1017.36	3.5	23.67	2.84	1018.86	4.8	25.61	2.65	1020.42
2.2	21.83	3.56	1017.36	3.6	23.69	2.83	1018.88	4.9	25.72	2.64	1020.51
2.4	21.82	3.56	1017.35	3.7	23.72	2.83	1018.90	5.1	25.78	2.63	1020.56
2.5	22.39	3.43	1017.81	3.8	23.75	2.83	1018.93	5.2	25.81	2.63	1020.58
2.6	22.96	3.12	1018.28	3.9	23.80	2.83	1018.97	5.3	25.83	2.63	1020.60
2.7	23.38	2.92	1018.63	4.1	23.83	2.83	1018.99	5.4	25.85	2.62	1020.61
2.8	23.51	2.88	1018.73	4.2	23.94	2.82	1019.08				
3.0	23.56	2.86	1018.77	4.3	24.19	2.79	1019.28				



Station: 85216 Date: Sep 12
Sigma t
-5.00 -1.00 3.00 7.00 11.00 15.00 19.00 23.00 27.00 31.00
Temperature
-2.00 0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00
Salinity
0.00 4.00 8.00 12.00 16.00 20.00 24.00 28.00 32.00 36.00
0
10
20
30
40
Depth (dbar)

Table A1.100. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85216, September 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
2.0	24.66	2.31	1019.68	5.4	27.45	1.87	1021.94	7.9	29.67	0.62	1023.78
2.1	24.66	2.31	1019.68	5.6	27.47	1.82	1021.95	8.0	29.76	0.57	1023.85
2.4	24.66	2.31	1019.68	5.7	27.50	1.78	1021.98	8.1	29.84	0.54	1023.92
2.5	24.67	2.30	1019.69	5.8	27.50	1.73	1021.98	8.3	29.92	0.50	1023.99
2.6	24.68	2.31	1019.70	5.9	27.50	1.66	1021.99	8.4	29.98	0.48	1024.04
2.7	24.71	2.28	1019.72	6.0	27.48	1.63	1021.97	8.5	29.98	0.48	1024.04
2.8	24.71	2.28	1019.72	6.2	27.54	1.56	1022.02	8.6	29.99	0.48	1024.04
3.0	24.76	2.28	1019.76	6.3	27.70	1.41	1022.16	8.8	29.99	0.48	1024.04
3.1	24.82	2.27	1019.81	6.4	28.35	1.10	1022.70	8.9	30.03	0.48	1024.08
3.2	24.96	2.23	1019.93	6.5	28.48	1.03	1022.80	9.0	30.03	0.49	1024.08
3.3	25.53	2.12	1020.39	6.7	28.86	0.94	1023.11	9.1	30.04	0.49	1024.08
3.6	26.22	1.96	1020.95	6.8	29.08	0.89	1023.29	9.2	30.04	0.49	1024.08
3.7	26.59	1.89	1021.25	6.9	29.20	0.85	1023.39	9.4	30.03	0.49	1024.08
3.8	26.78	1.83	1021.40	7.0	29.32	0.81	1023.49	9.5	30.05	0.49	1024.09
3.9	26.79	1.83	1021.41	7.1	29.40	0.76	1023.56	9.6	30.03	0.50	1024.07
4.1	26.94	1.85	1021.53	7.3	29.45	0.74	1023.60	9.7	30.05	0.50	1024.09
4.9	27.25	1.92	1021.77	7.4	29.49	0.71	1023.63	10.0	30.05	0.50	1024.09
5.1	27.31	1.96	1021.82	7.5	29.54	0.69	1023.67	10.1	30.05	0.50	1024.09
5.2	27.34	1.97	1021.84	7.7	29.59	0.68	1023.71	10.2	30.06	0.49	1024.10
5.3	27.40	1.93	1021.89	7.8	29.63	0.65	1023.75	10.3	30.05	0.49	1024.09

Station: 85217 Date: Sep 12

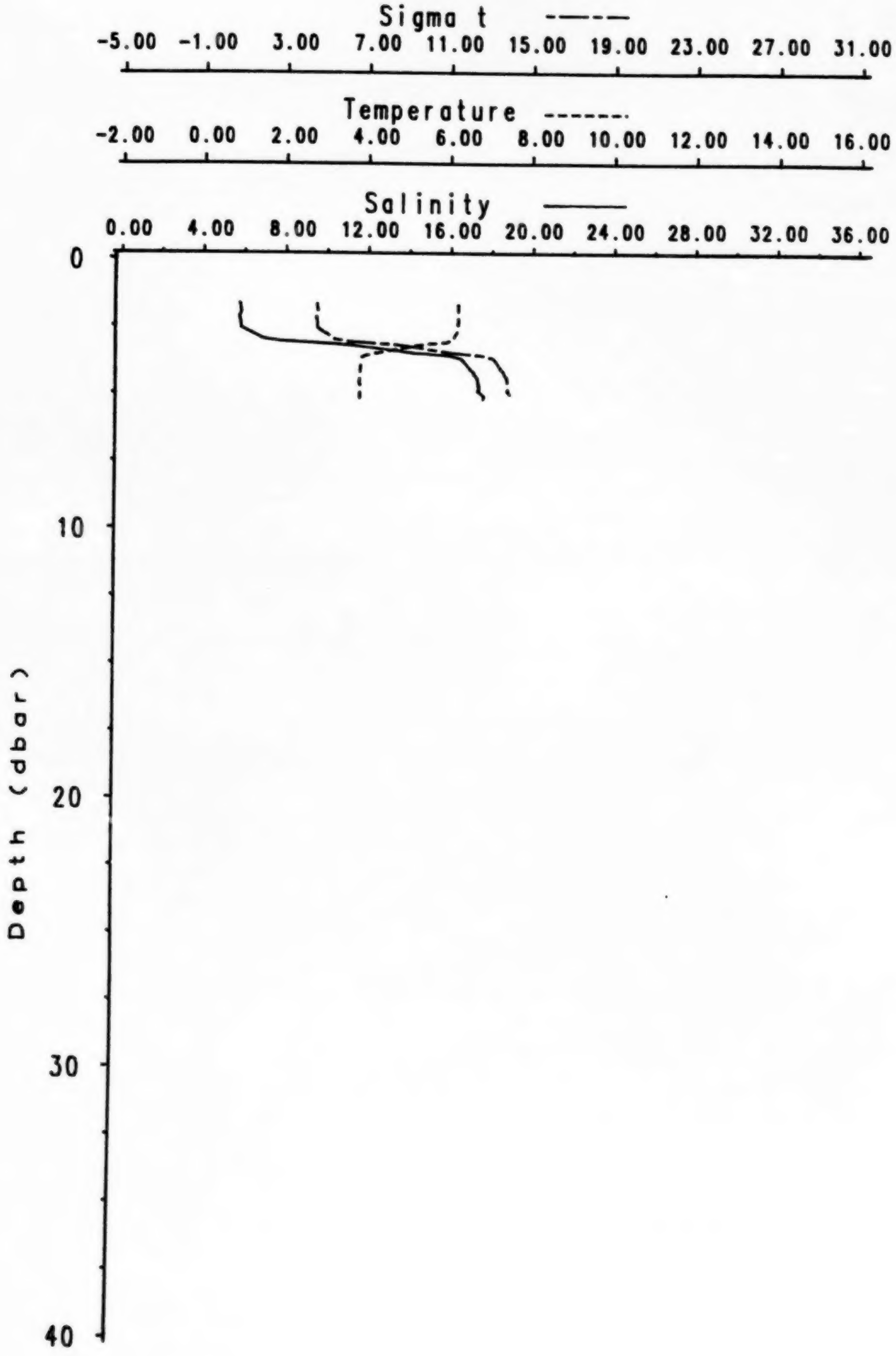


Table A1.101. Salinity, temperature (C) and density (kg.m**-3) data by depth (dbar) for station 85217, September 12, 1985.

Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density	Depth	Salinity	Temperature	Density
1.7	5.80	6.21	1004.53	3.1	7.83	5.93	1006.15	4.4	17.39	3.83	1013.82
1.9	5.86	6.21	1004.58	3.2	10.70	5.30	1008.45	4.6	17.44	3.81	1013.86
2.0	5.89	6.22	1004.60	3.5	14.21	4.28	1011.27	4.7	17.47	3.83	1013.88
2.2	5.78	6.22	1004.51	3.6	16.09	3.96	1012.78	4.8	17.49	3.82	1013.90
2.4	5.84	6.21	1004.56	3.7	16.58	3.86	1013.17	4.9	17.43	3.83	1013.85
2.6	5.88	6.21	1004.59	3.8	16.72	3.85	1013.28	5.1	17.72	3.84	1014.08
2.7	6.12	6.19	1004.78	4.1	17.05	3.84	1013.55	5.2	17.70	3.83	1014.06
2.8	6.41	6.16	1005.01	4.2	17.23	3.83	1013.69				
3.0	6.89	6.08	1005.40	4.3	17.25	3.84	1013.71				